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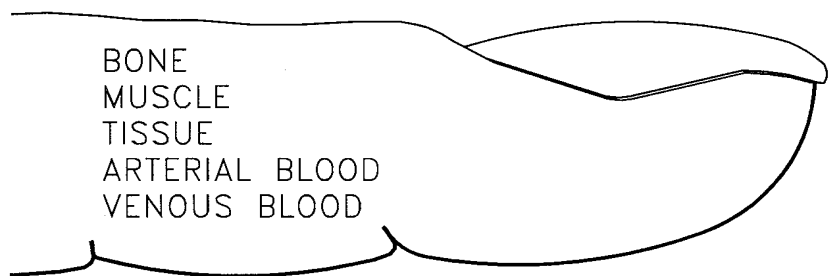
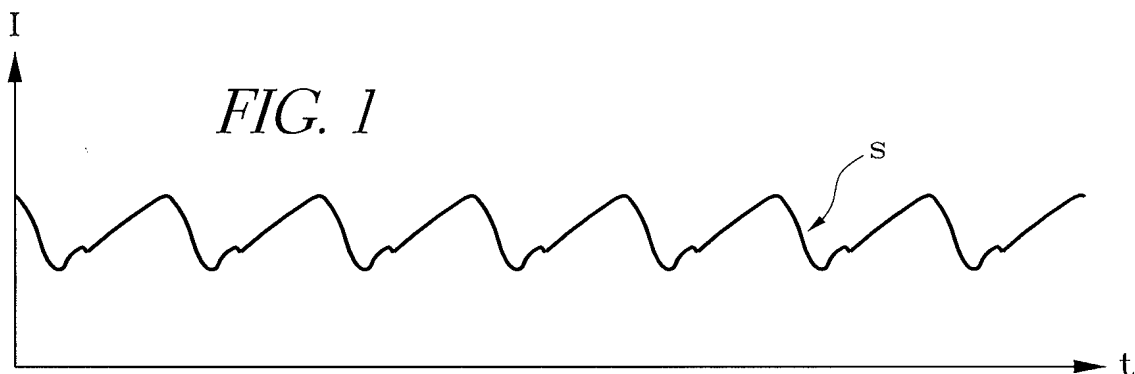
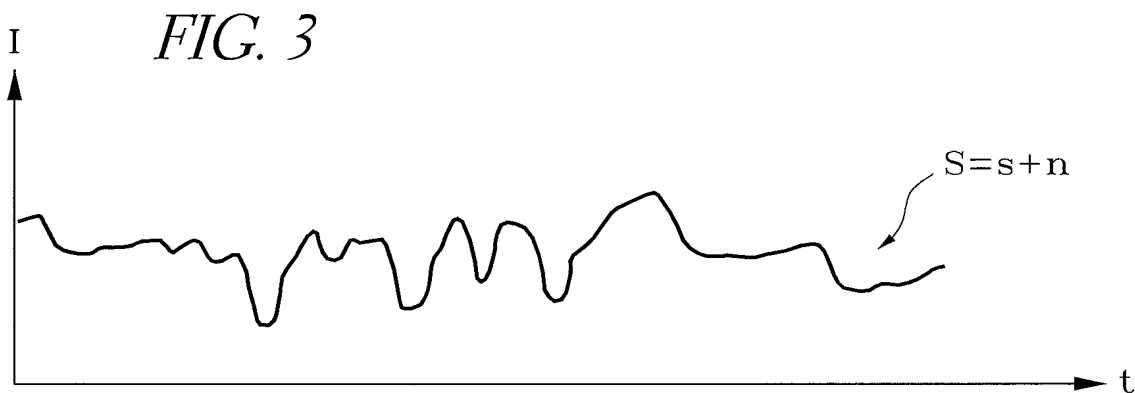


FIG. 2



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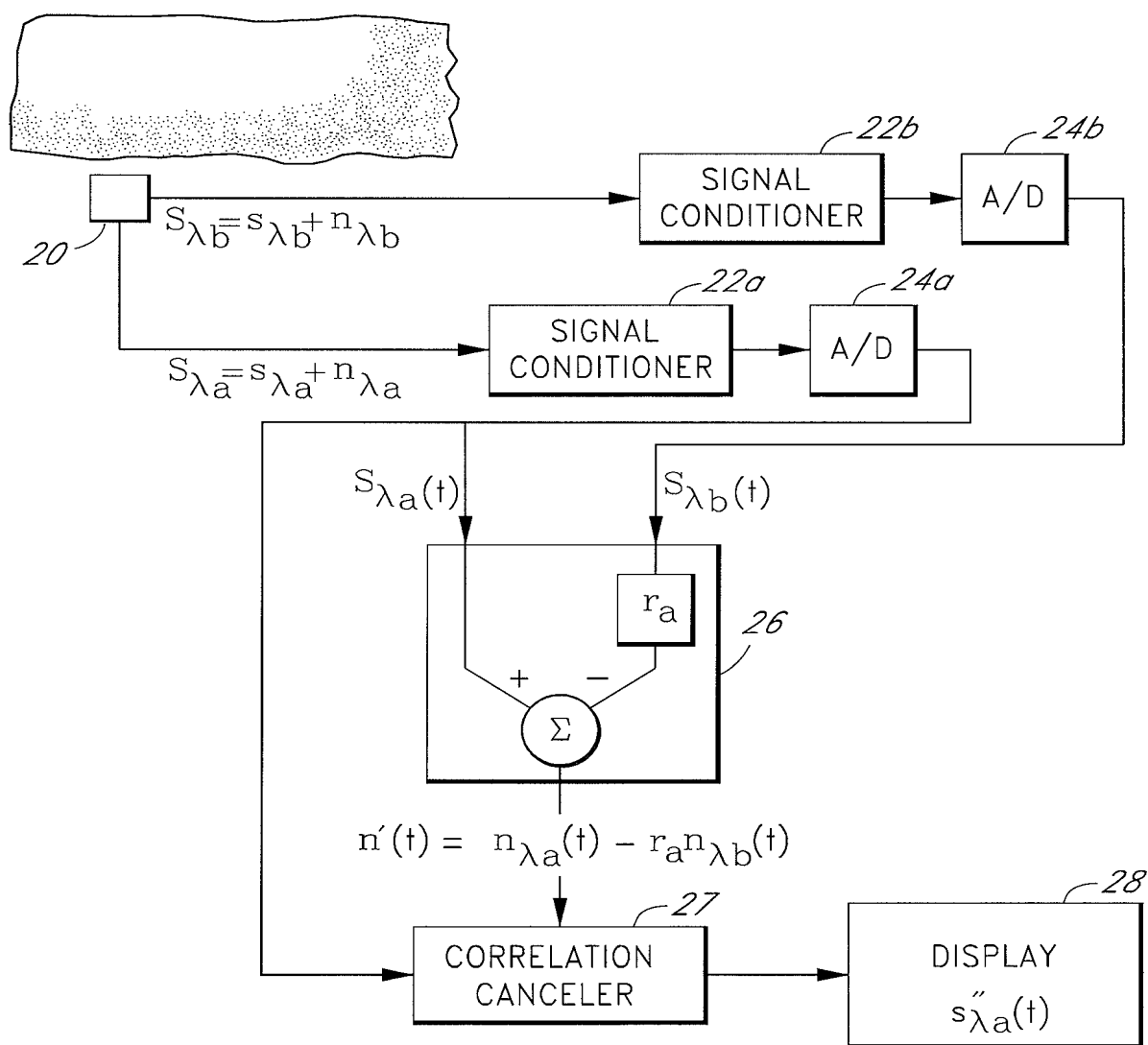


FIG. 4A

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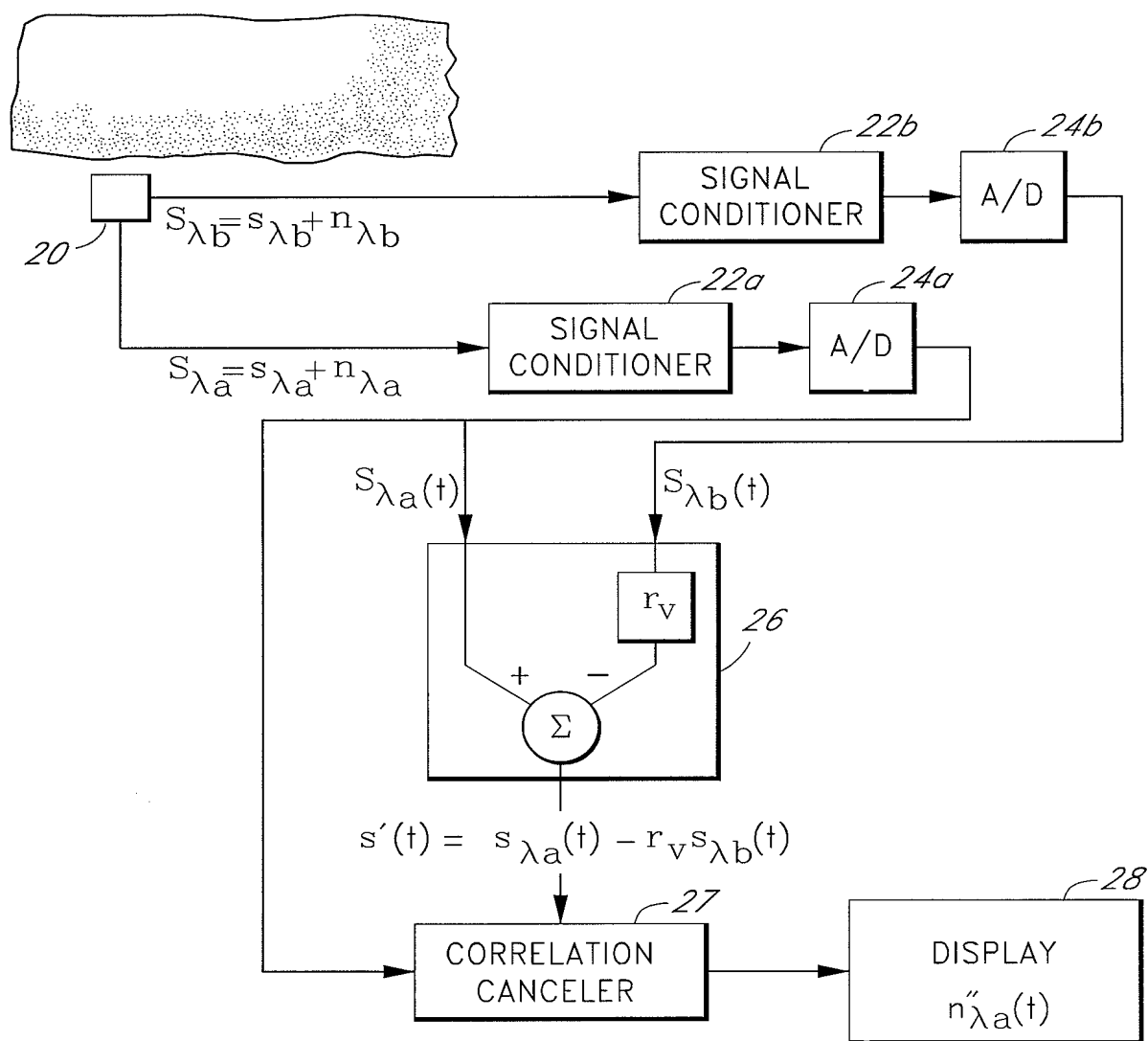
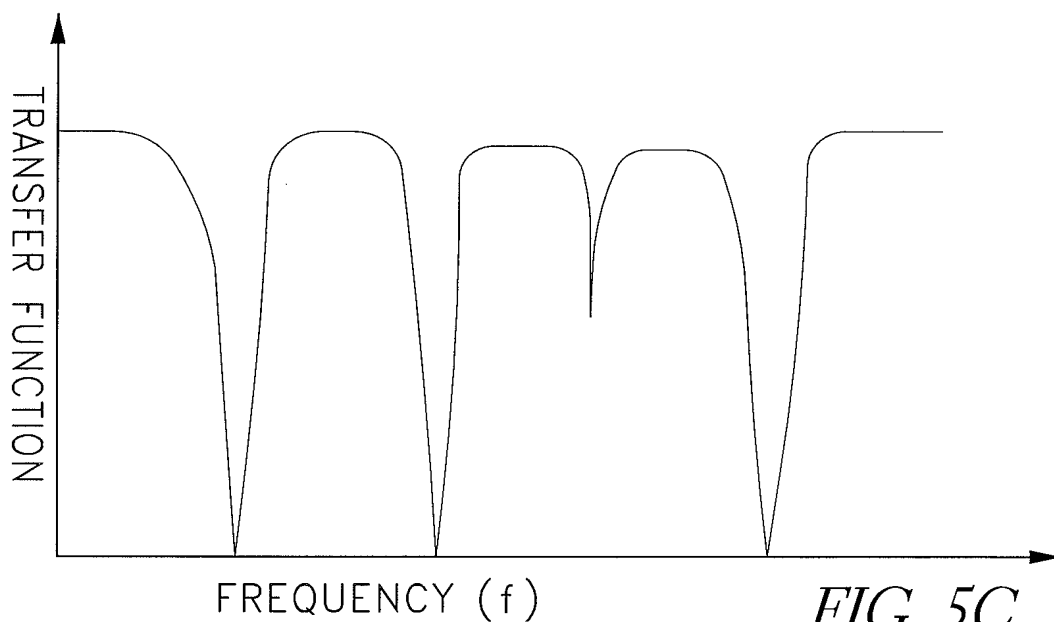
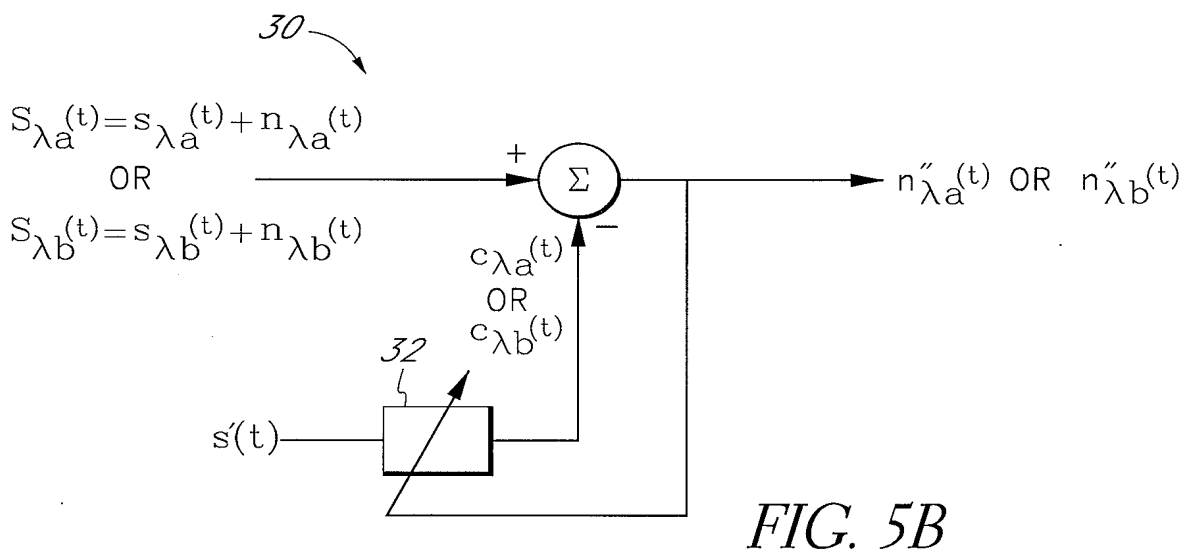
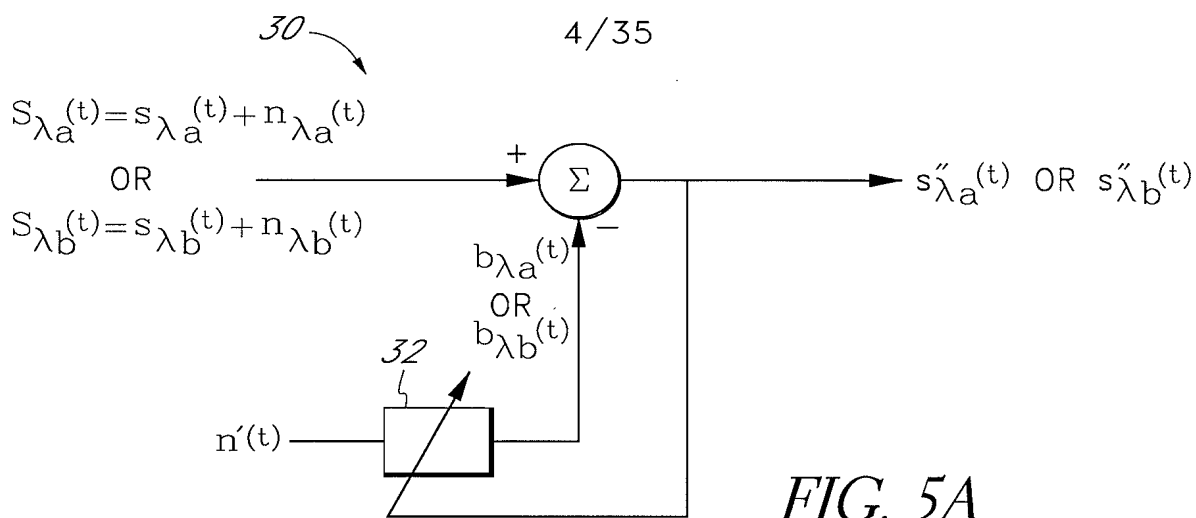


FIG. 4B

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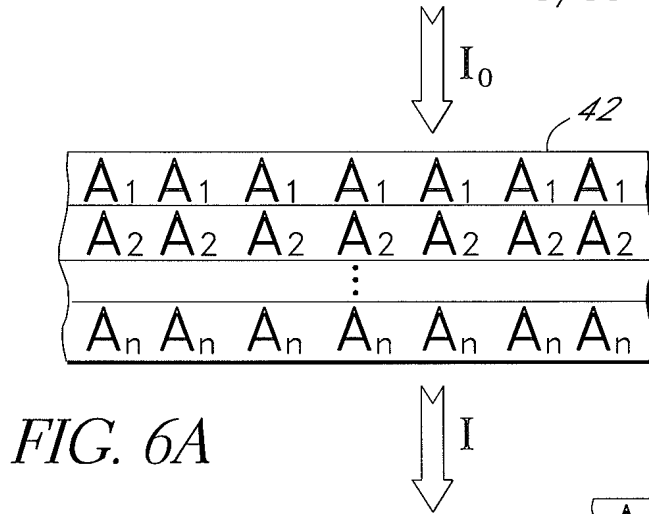


FIG. 6B

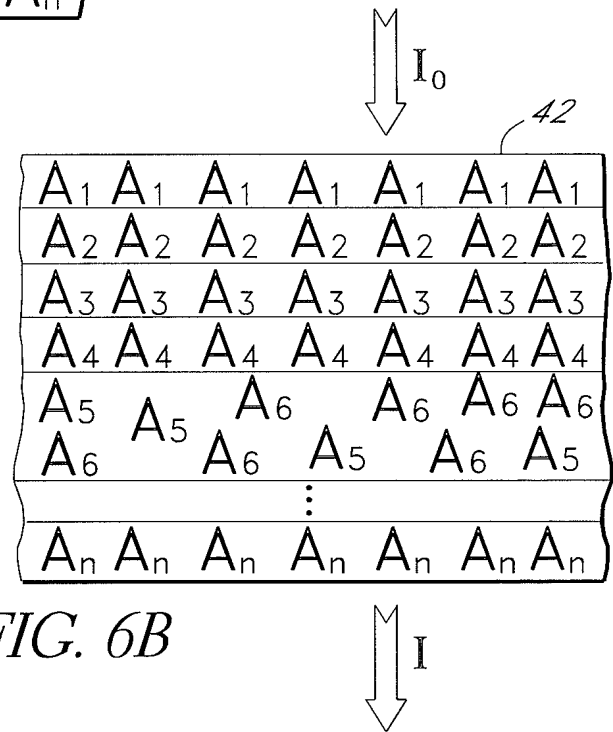
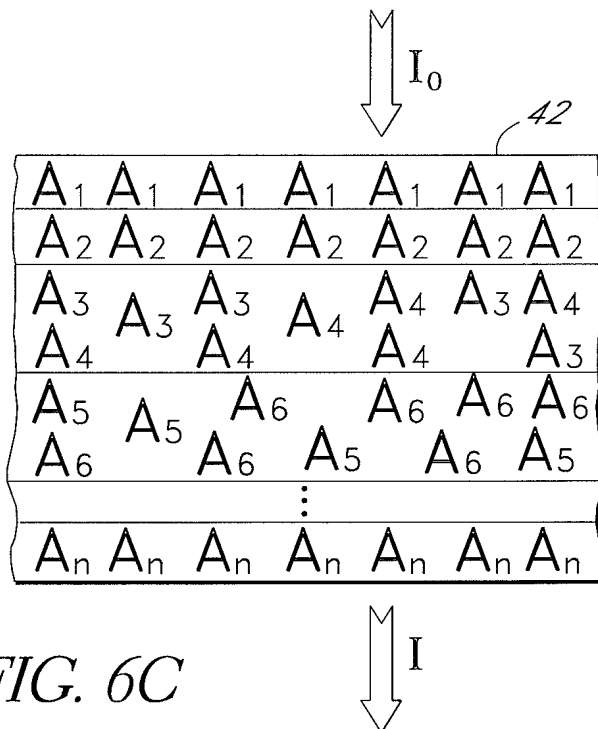
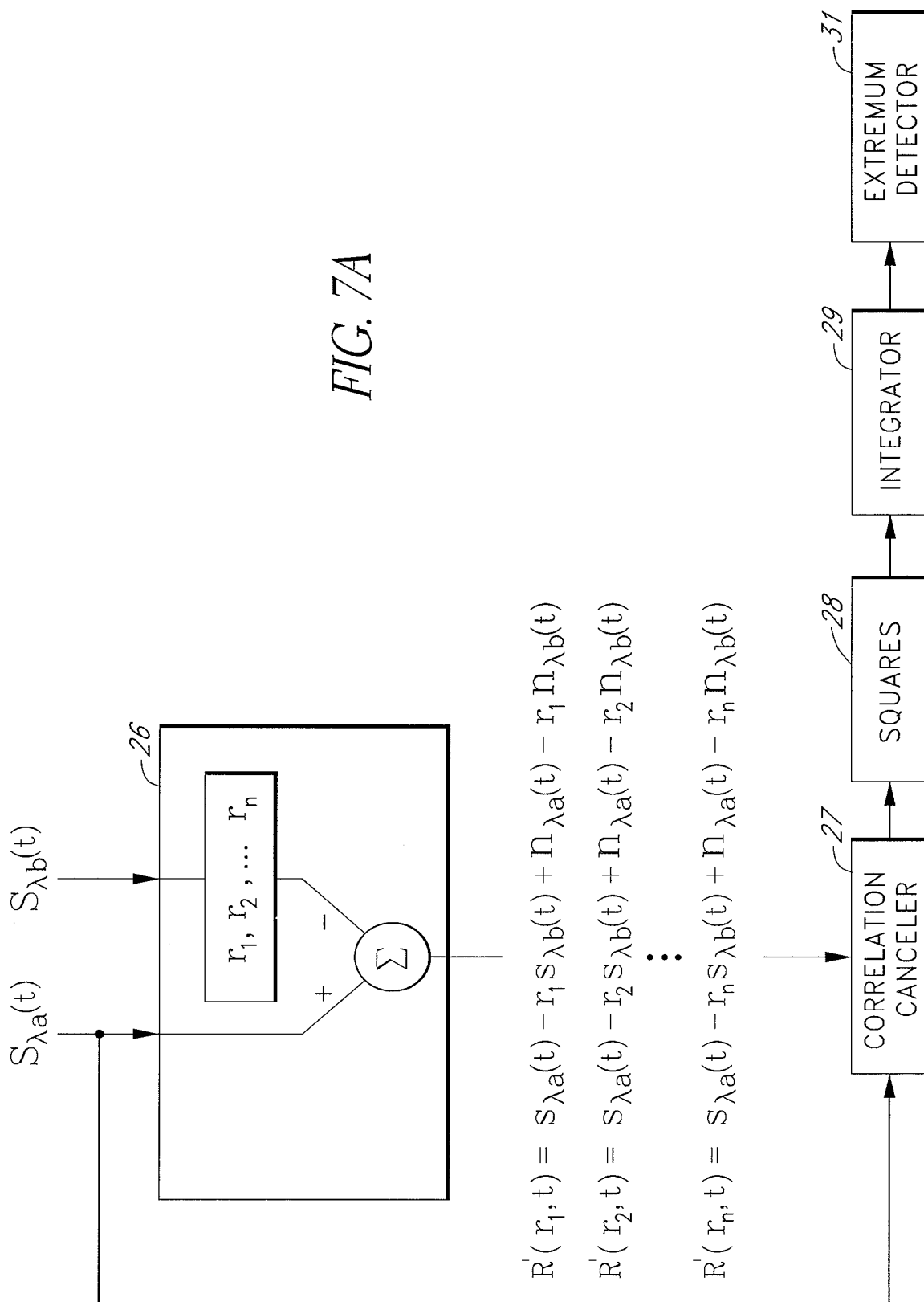


FIG. 6C

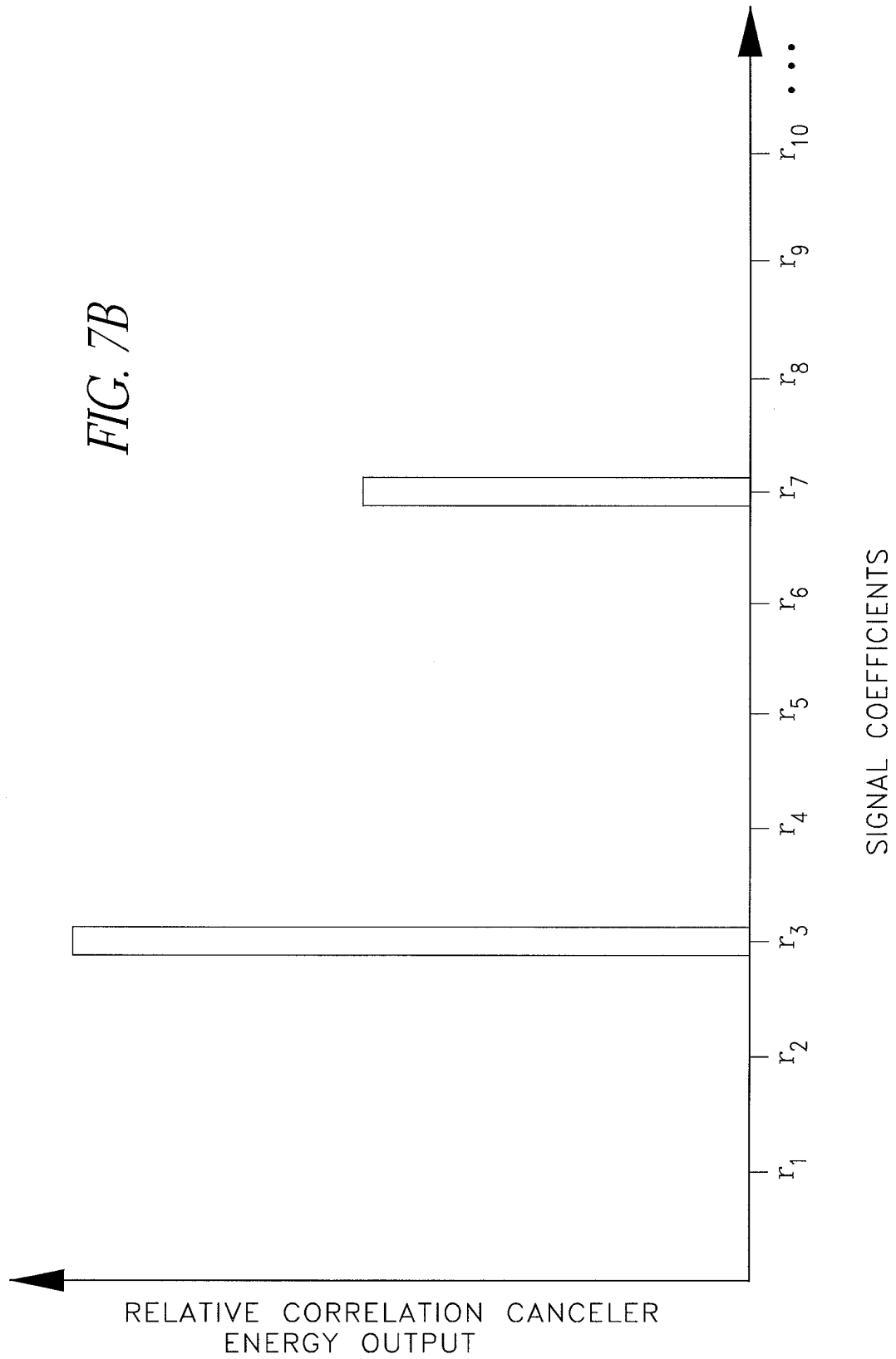


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FIG. 7A



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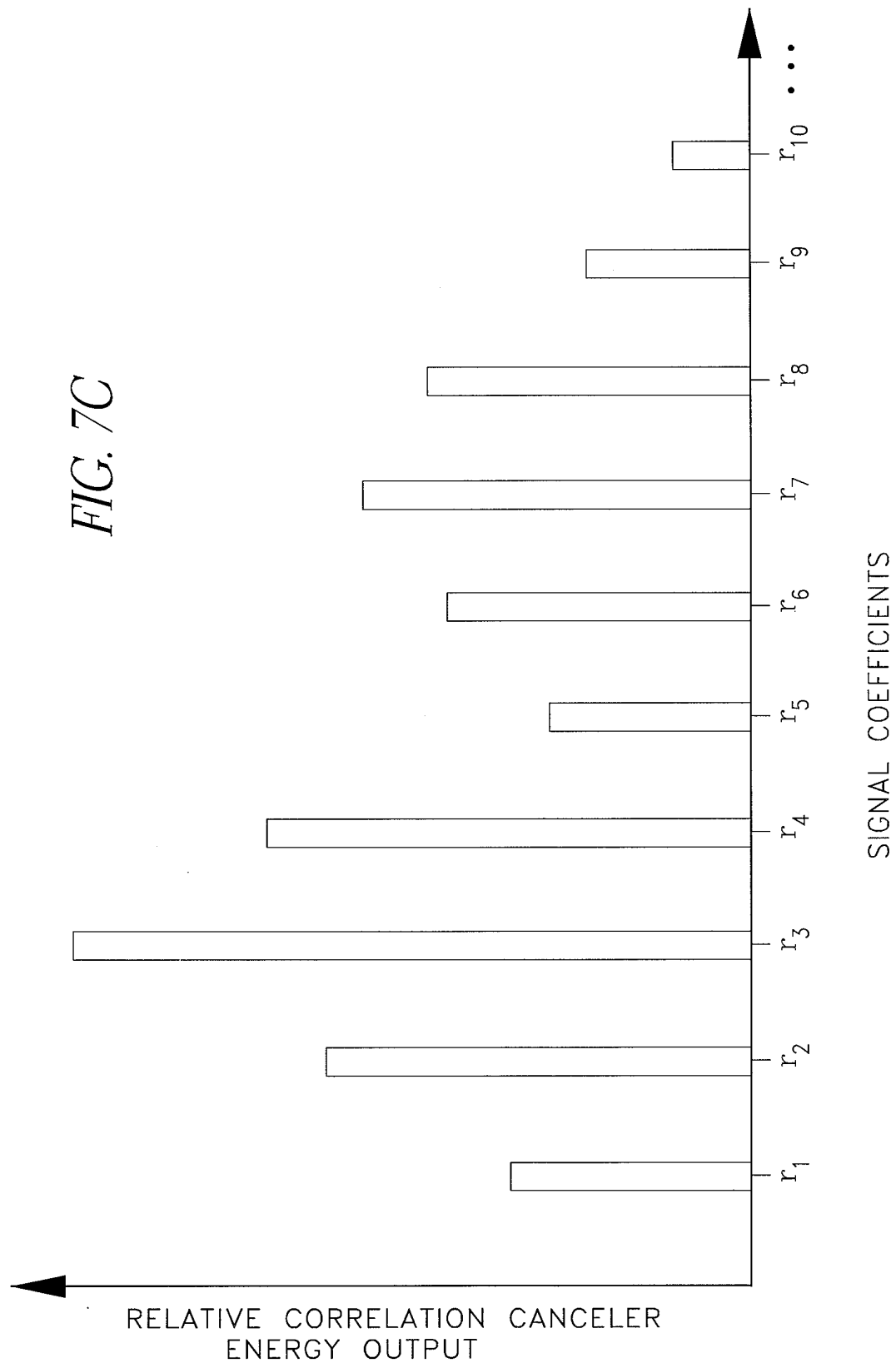
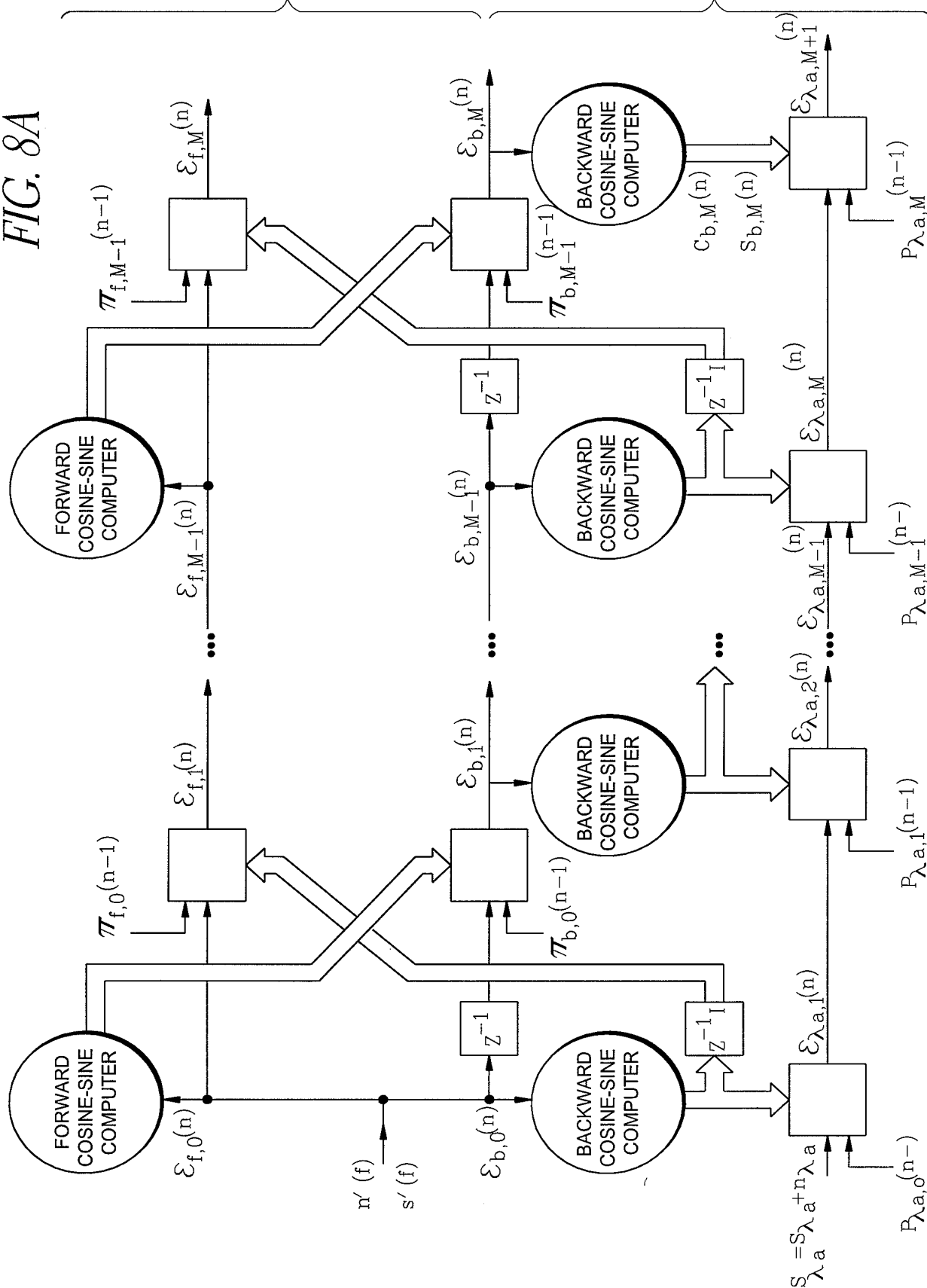




FIG. 8

FIG. 8A



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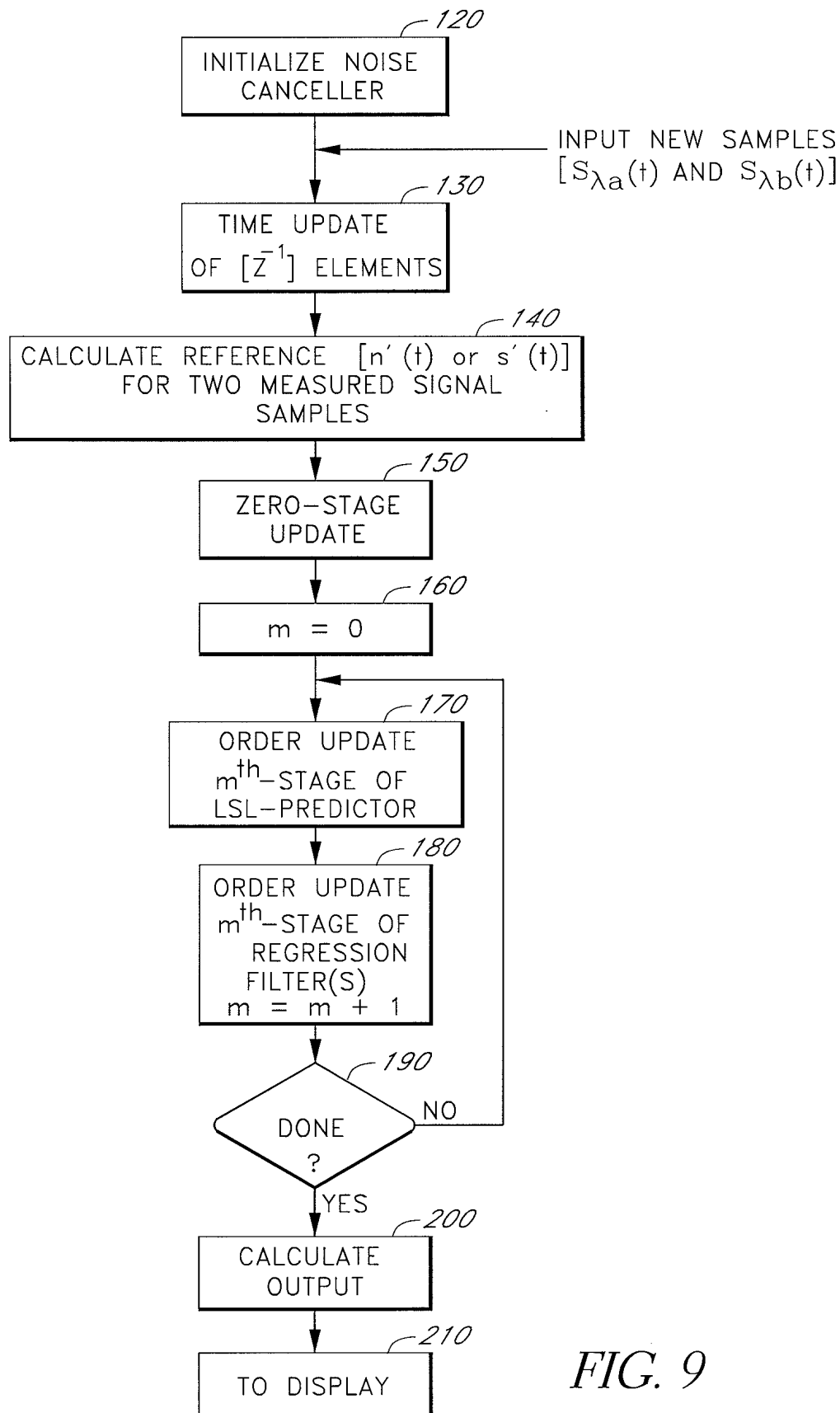


FIG. 9

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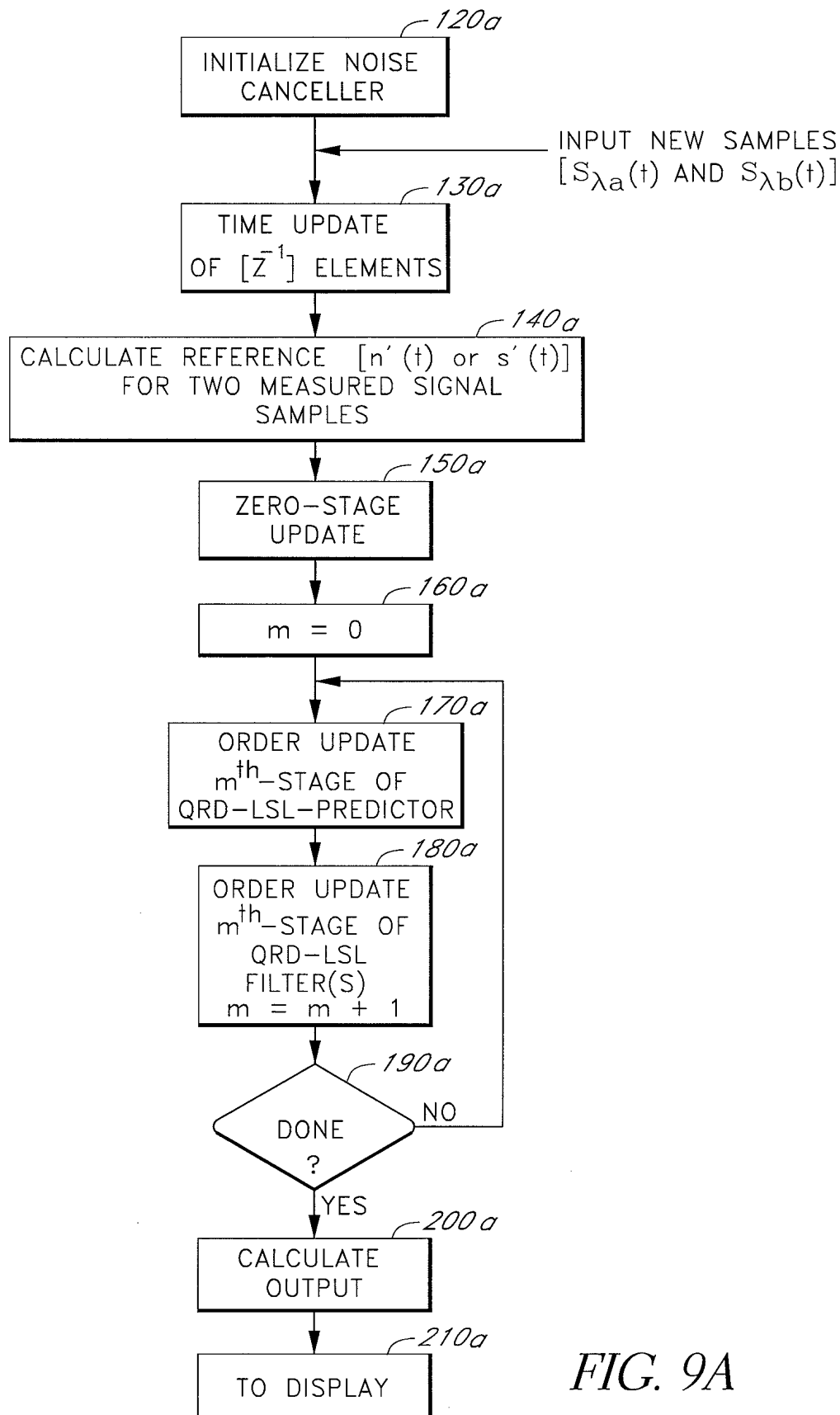
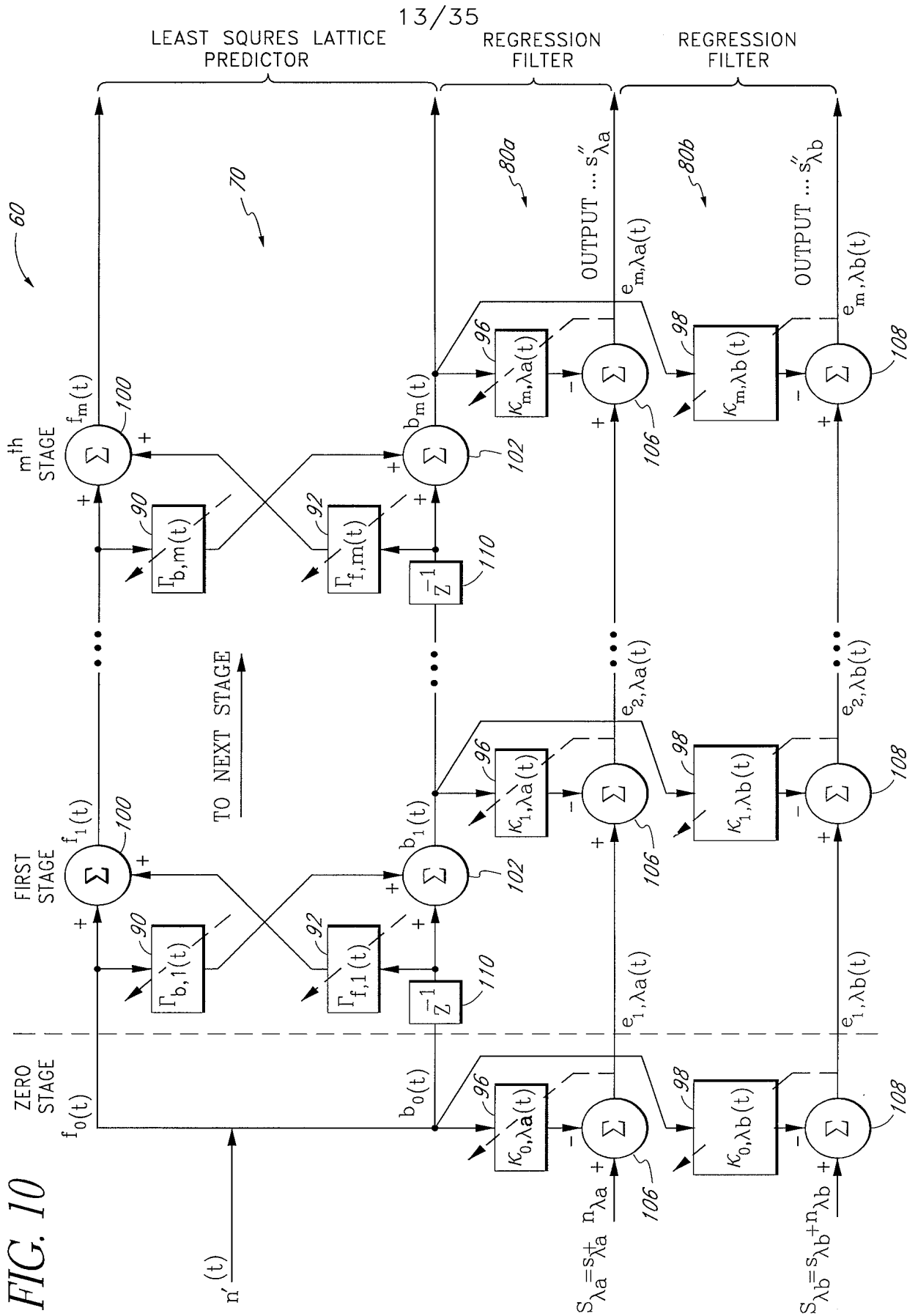


FIG. 9A



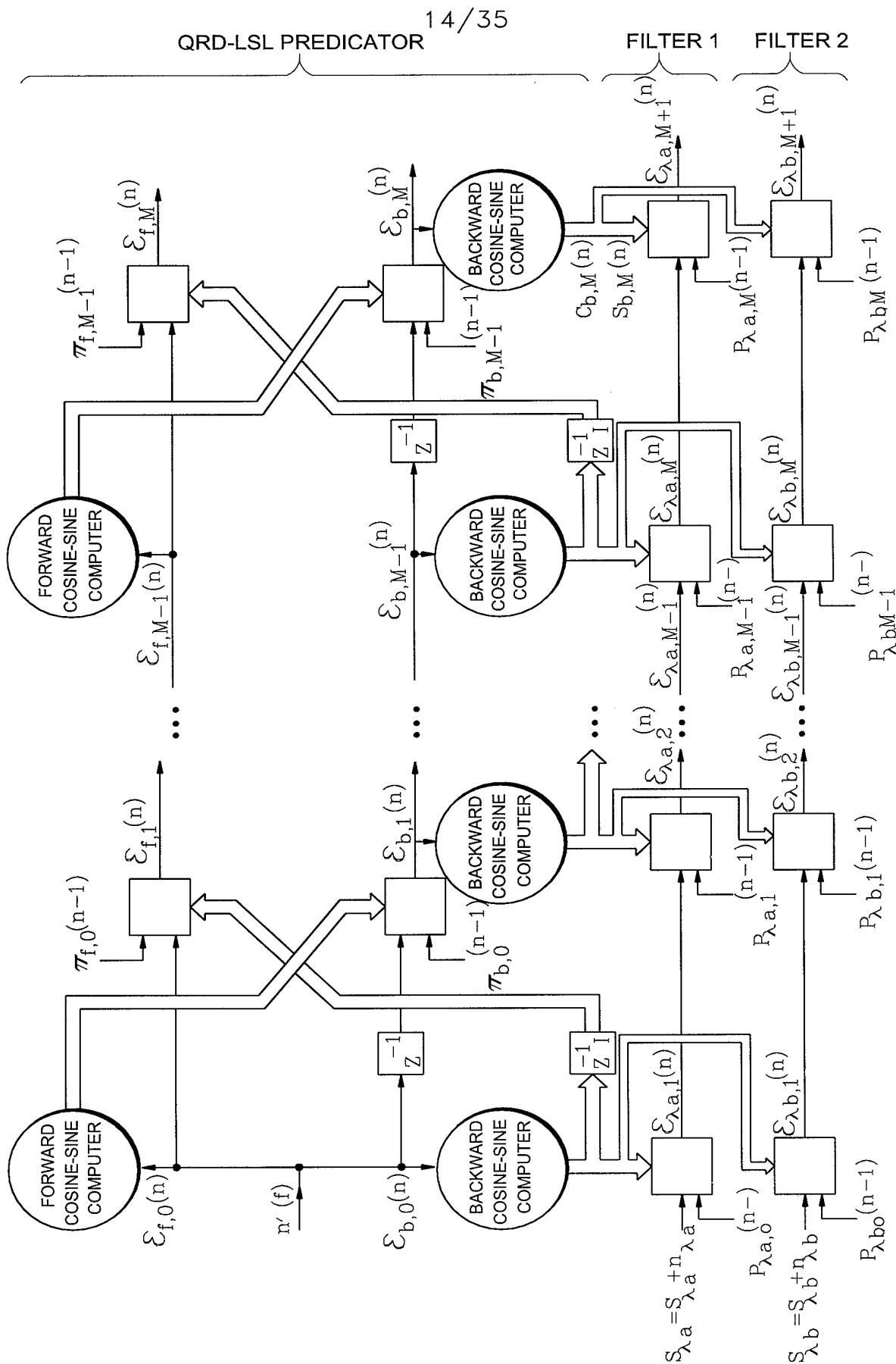


FIG. 10A

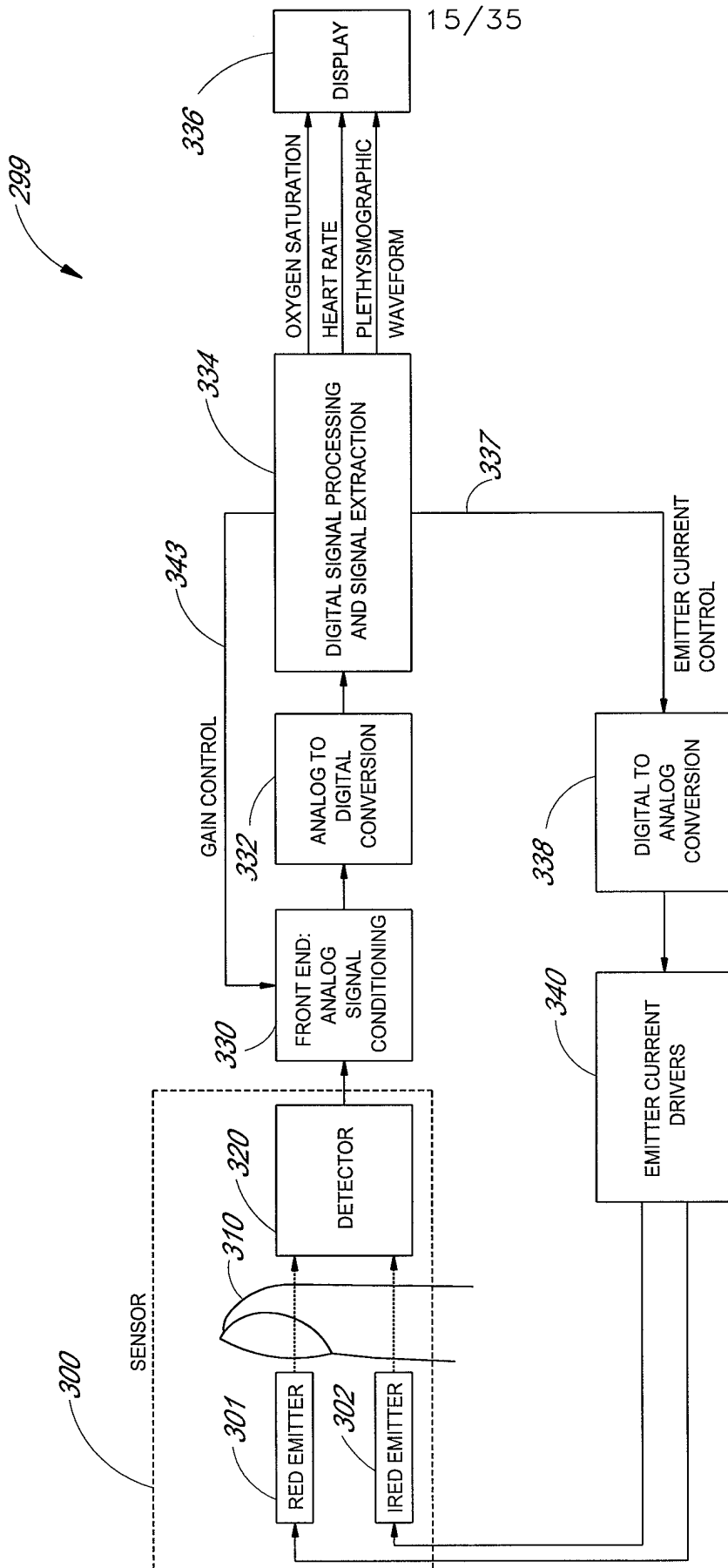


FIG. 11

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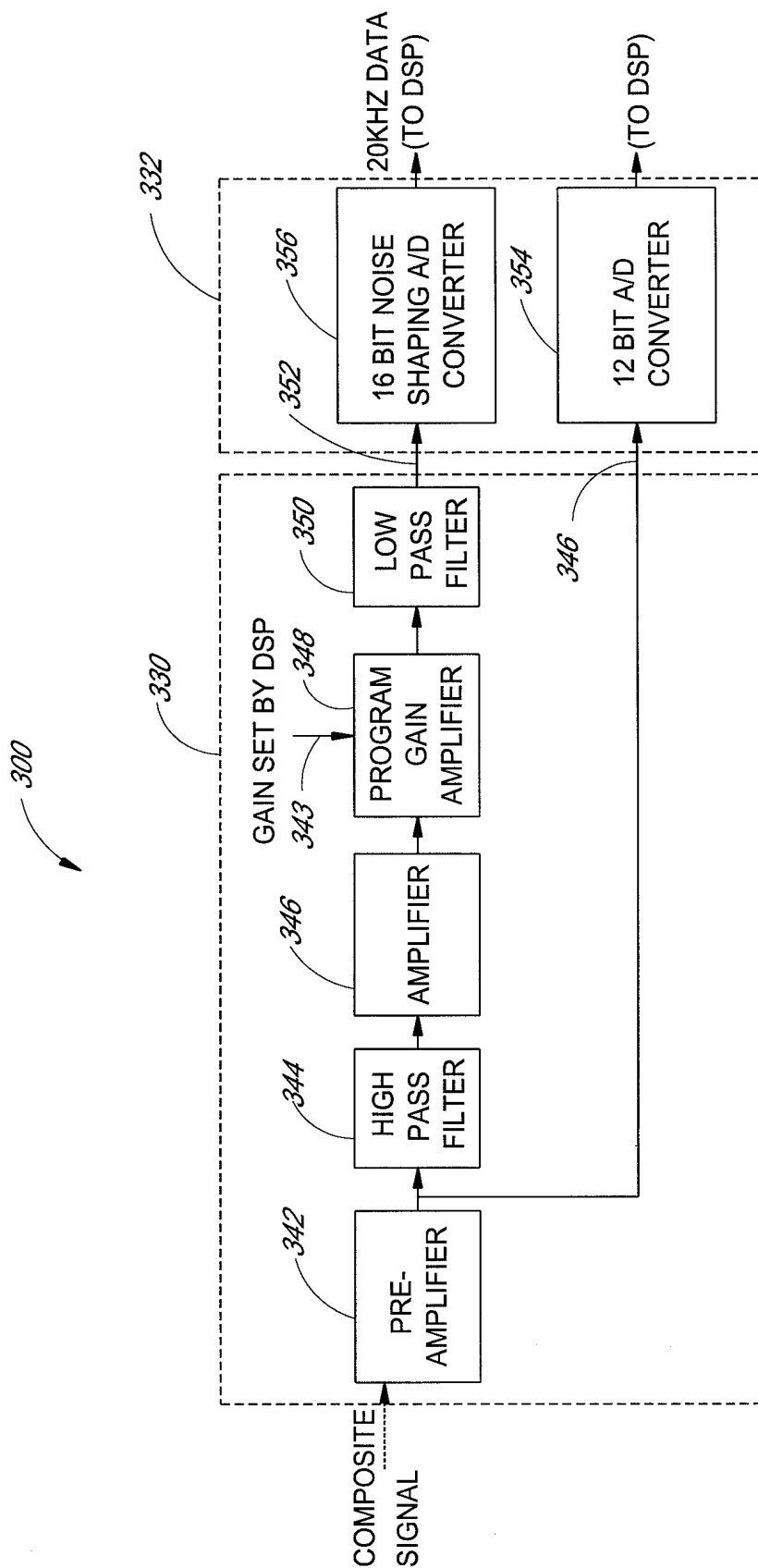


FIG. 12

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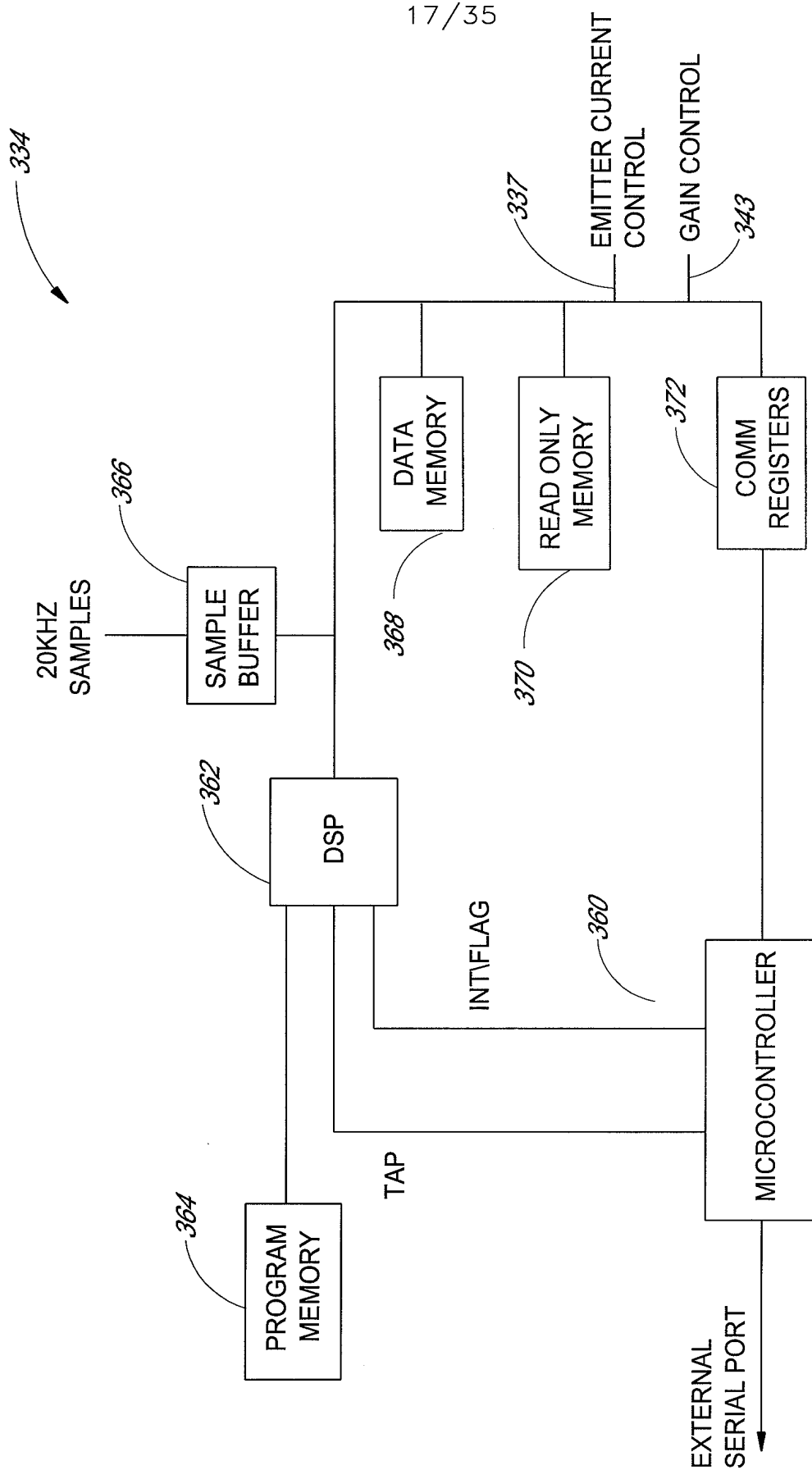
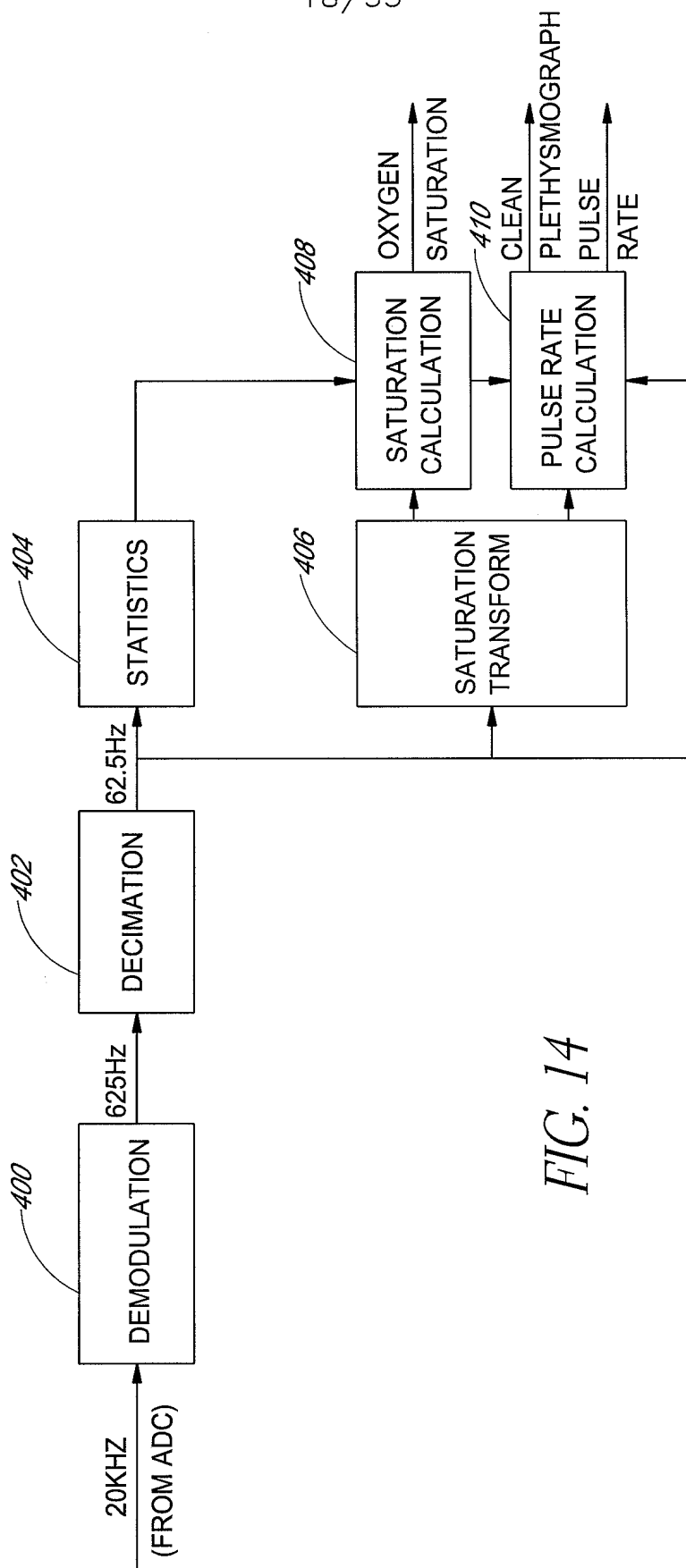


FIG. 13

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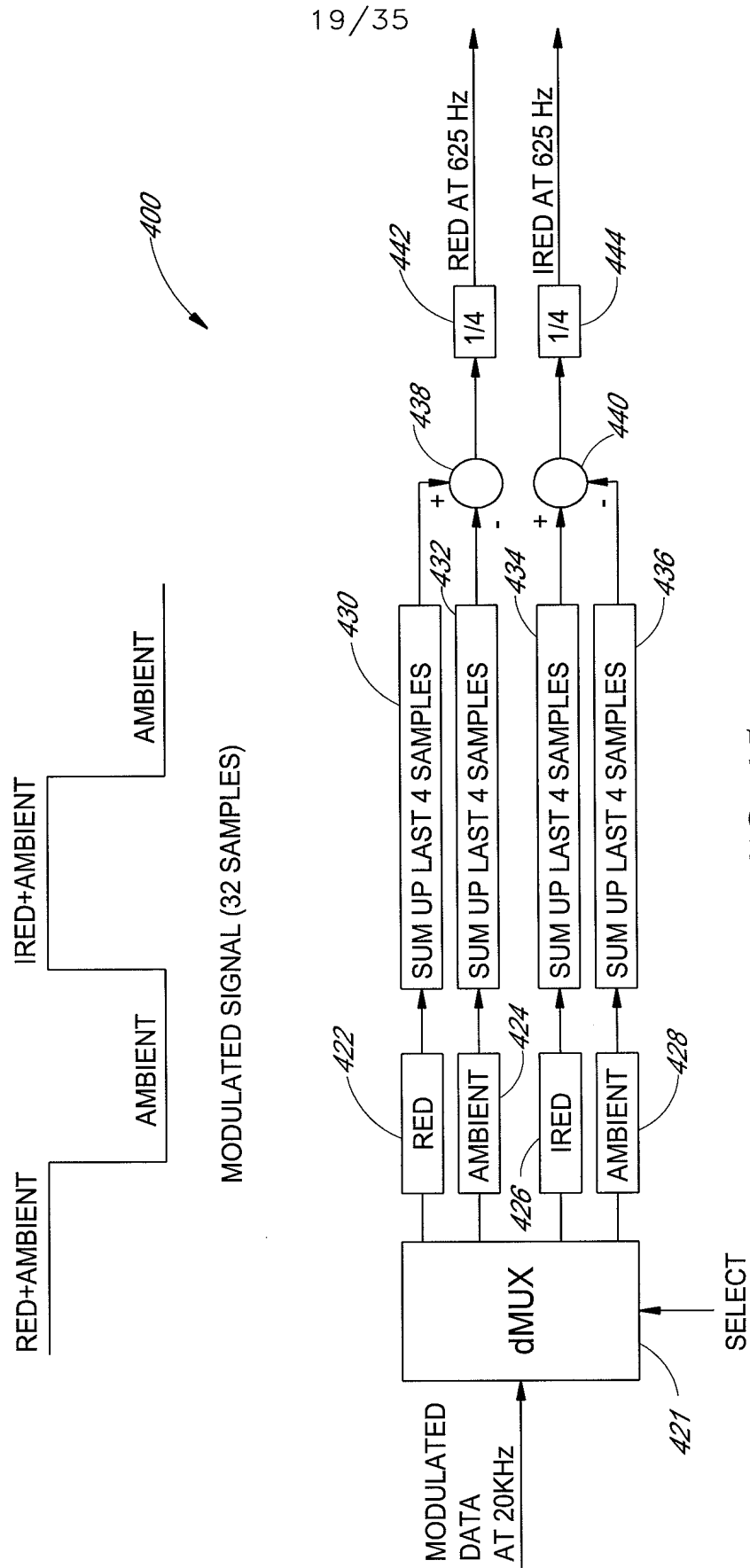


FIG. 15

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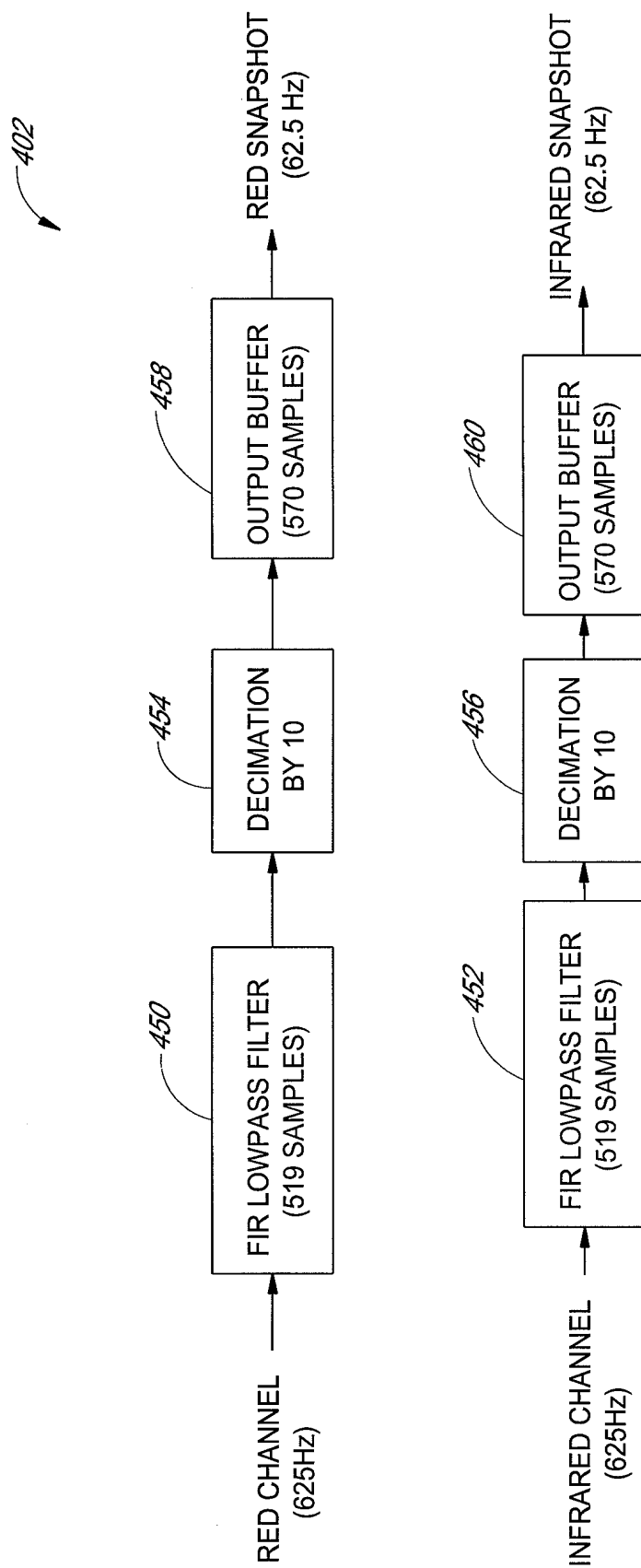
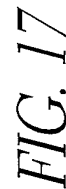


FIG. 16



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INFRARED (570 SAMPLES, 62.5 Hz)

RED (570 SAMPLES, 62.5 Hz)

SATURATION AXIS SCAN (117 VALUES FROM 34.8 TO 105.0)

DC REMOVAL (536)

BANDPASS FILTER (538)

REFERENCE GENERATOR (534)

SATURATION EQUATION (532)

r_h (532)

JOINT PROCESS ESTIMATOR (550)

NUMBER OF CELLS (543)

MIN-ERROR (544)

LAMBDA (545)

LOWPASS FILTER (552)

MASTER POWER CURVE (554)

DIVIDE INTO 5 EQUAL BINS (556)

BIN POWER CURVES (558)

FOR EACH BIN

TO SATURATION ALGORITHM

531

533

530

540

542

546

550

552

554

556

558

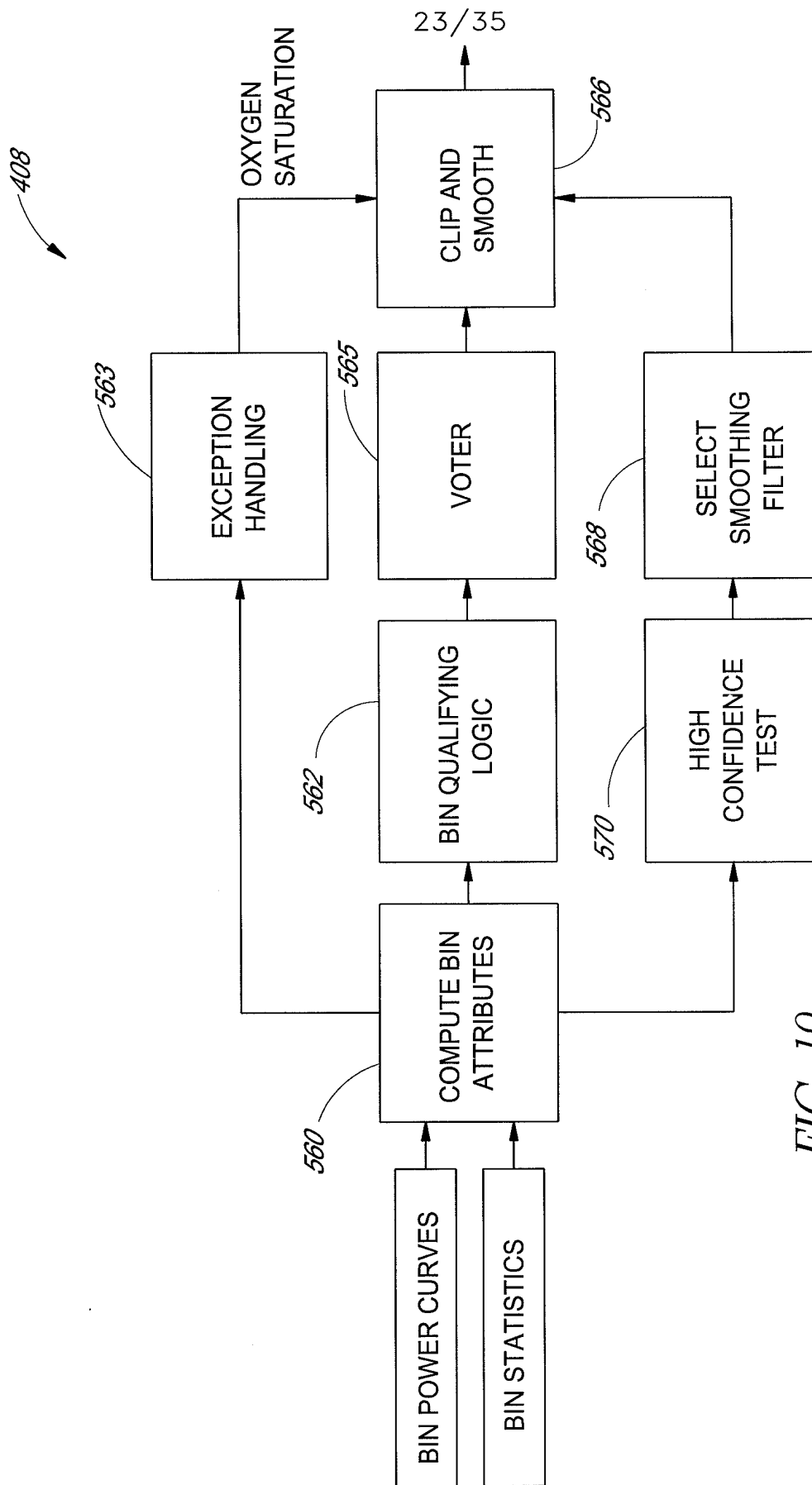


FIG. 19

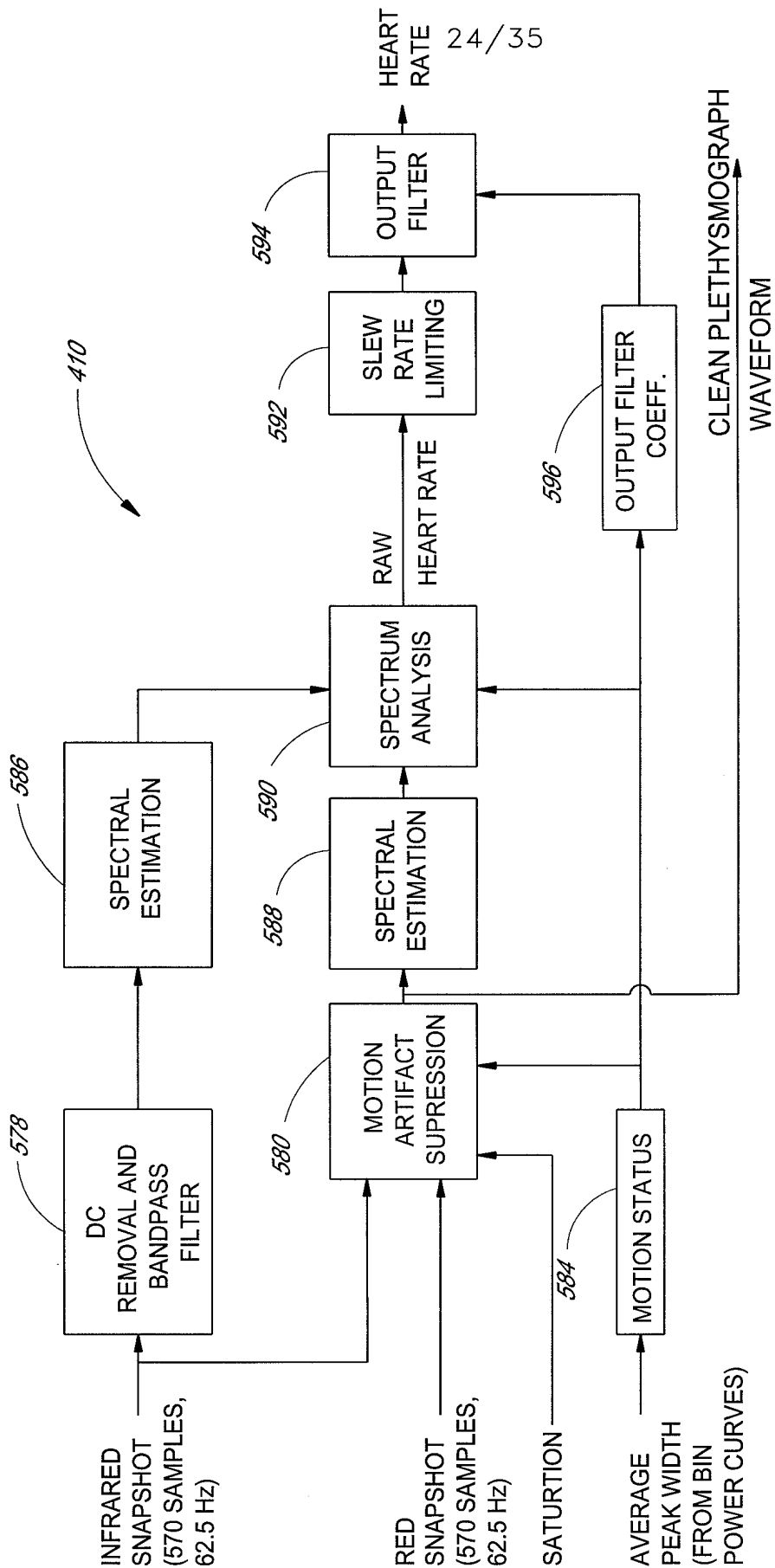


FIG. 20

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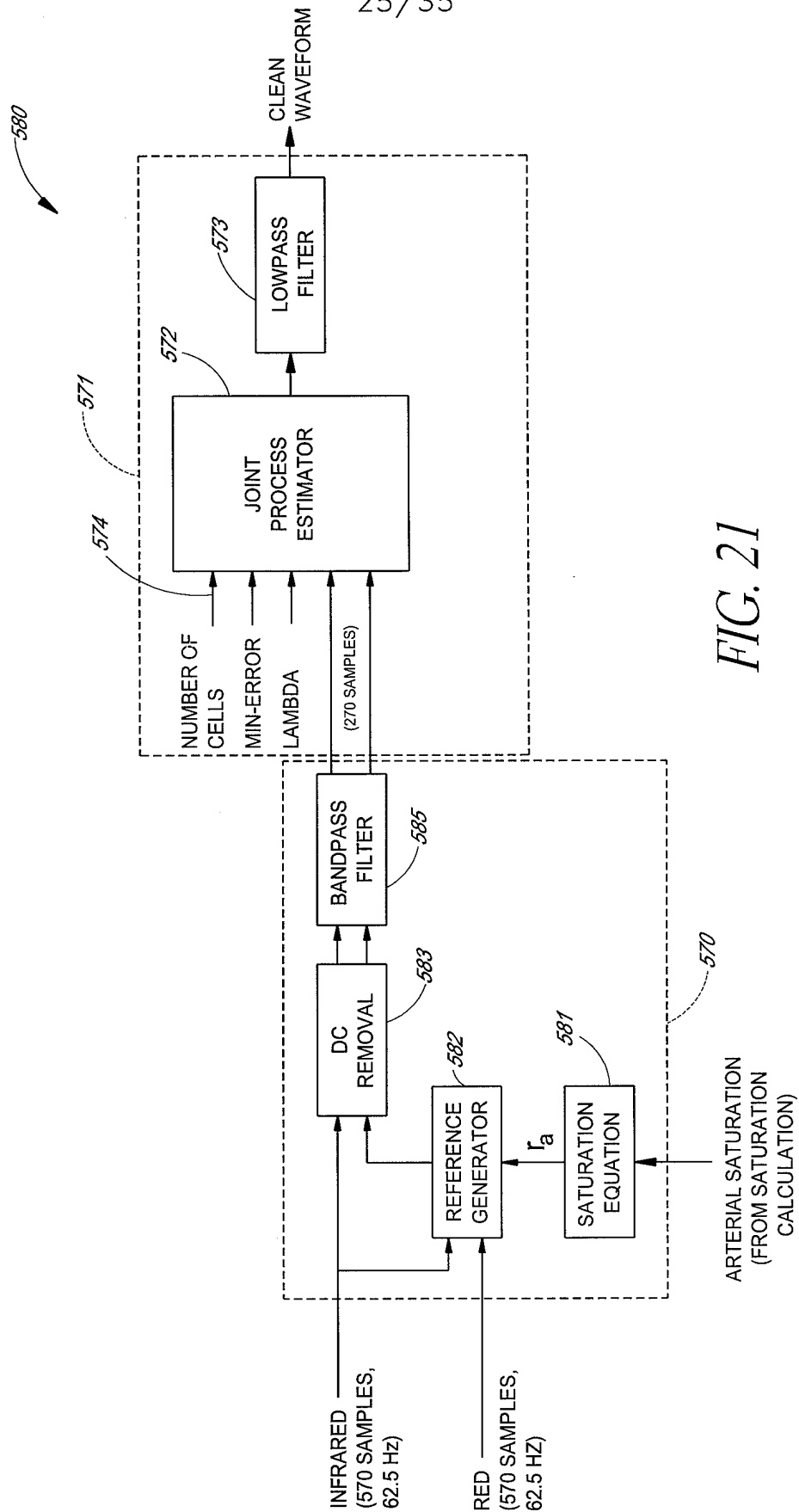


FIG. 21

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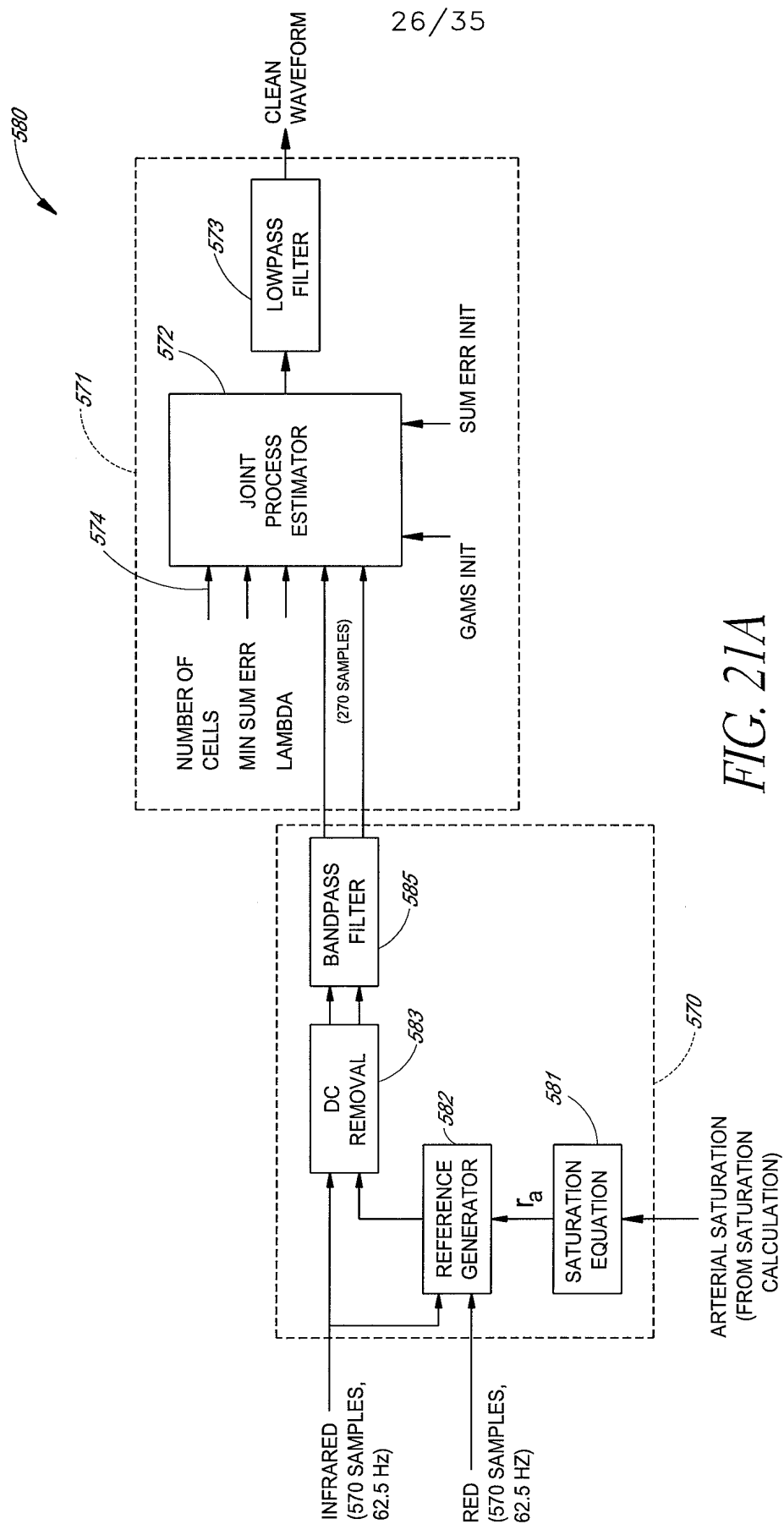
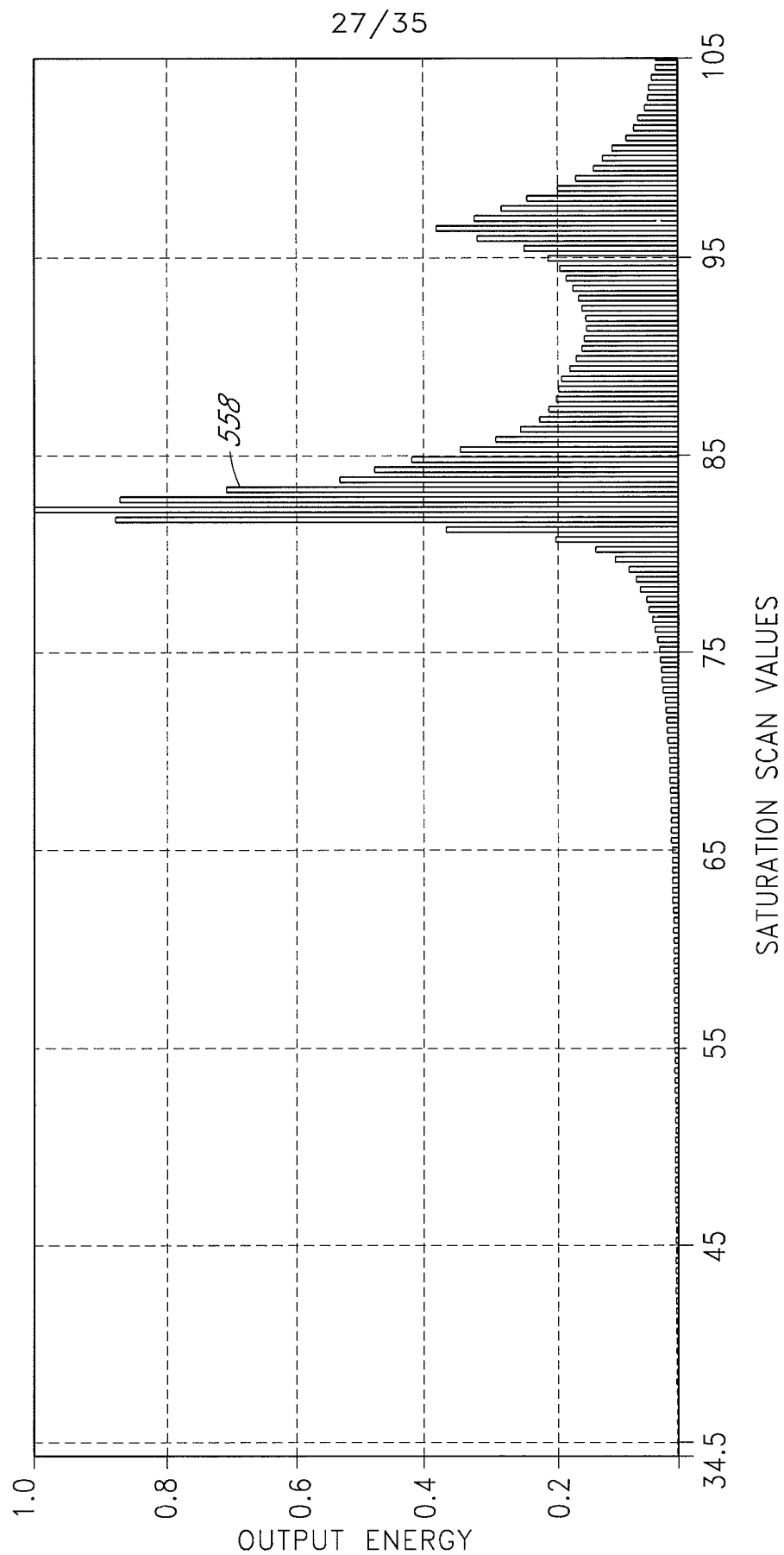


FIG. 21A

FIG. 22



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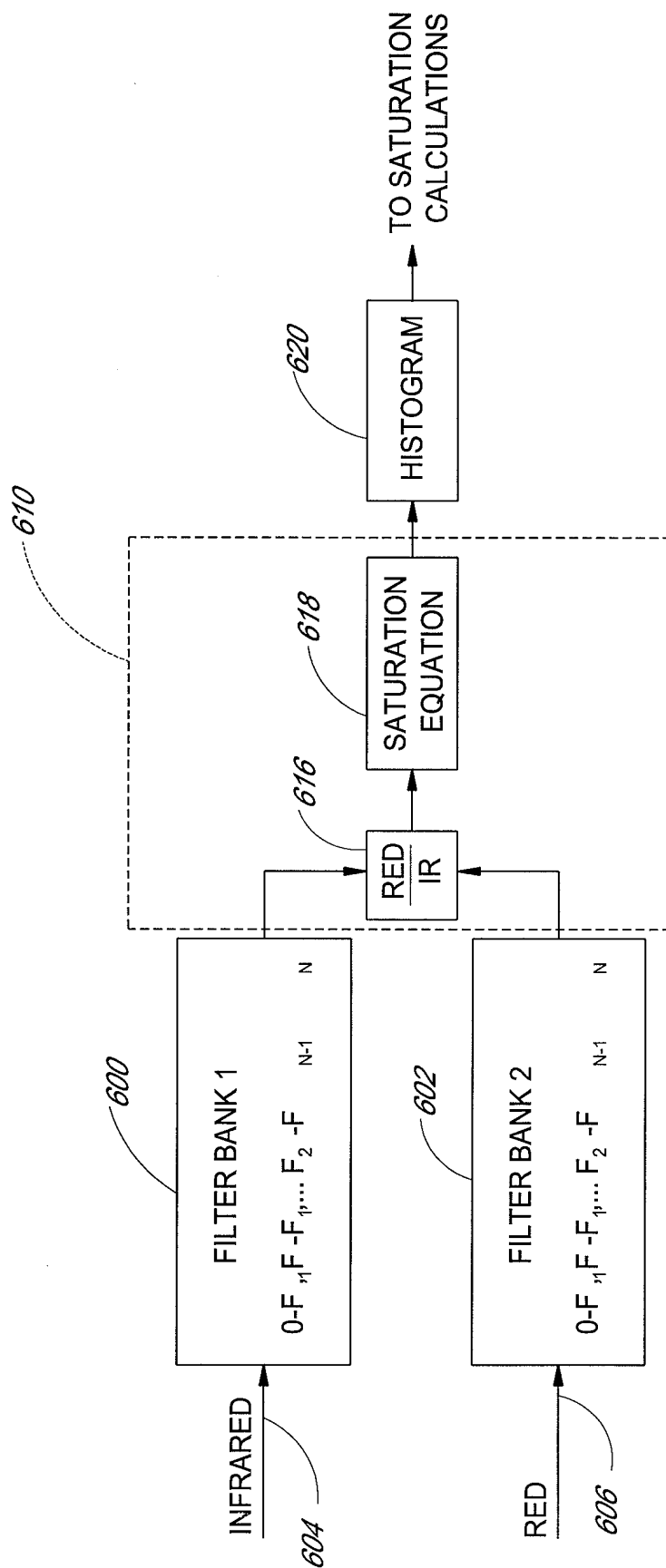


FIG. 23

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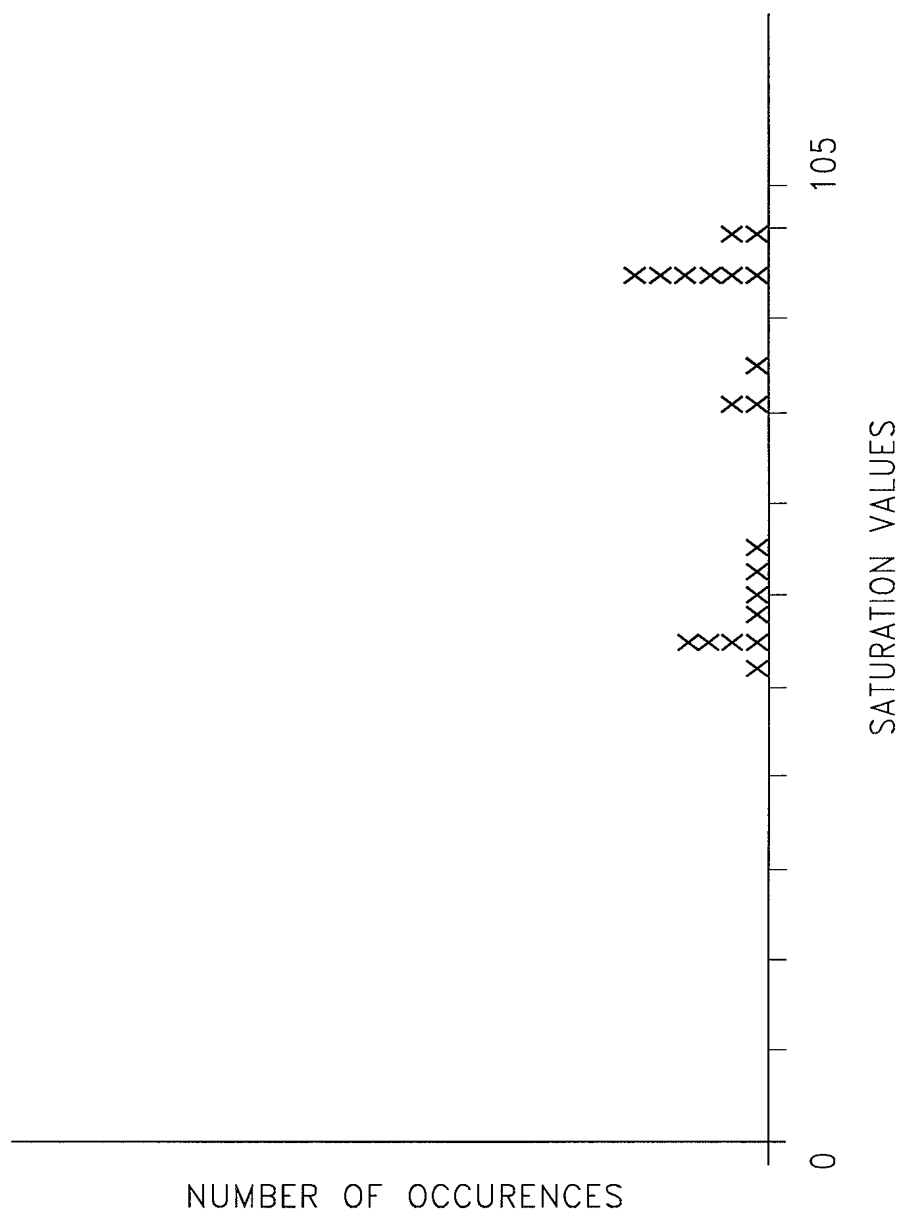


FIG. 24

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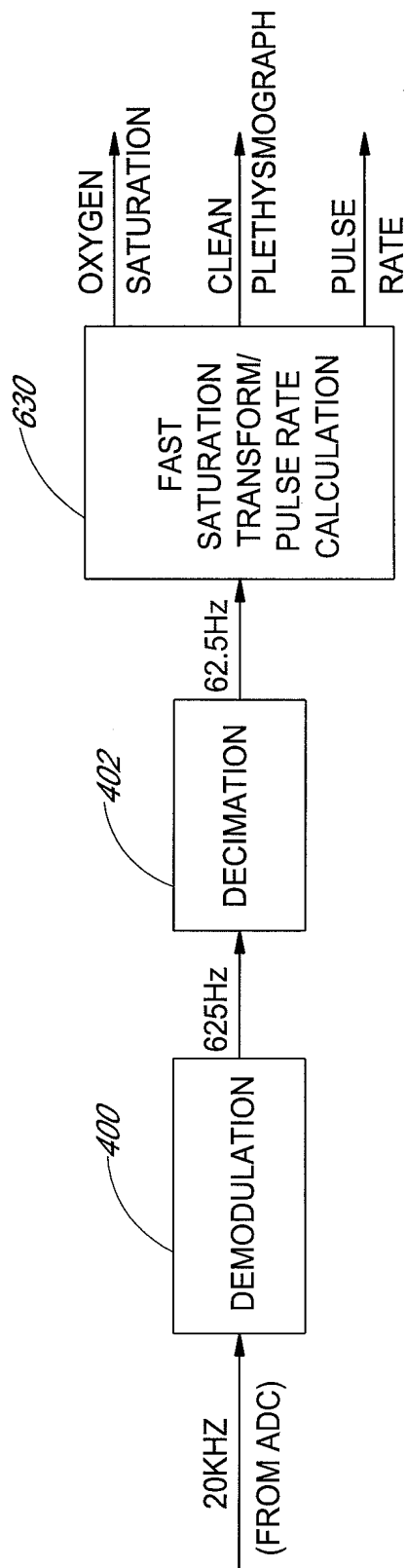


FIG. 25A

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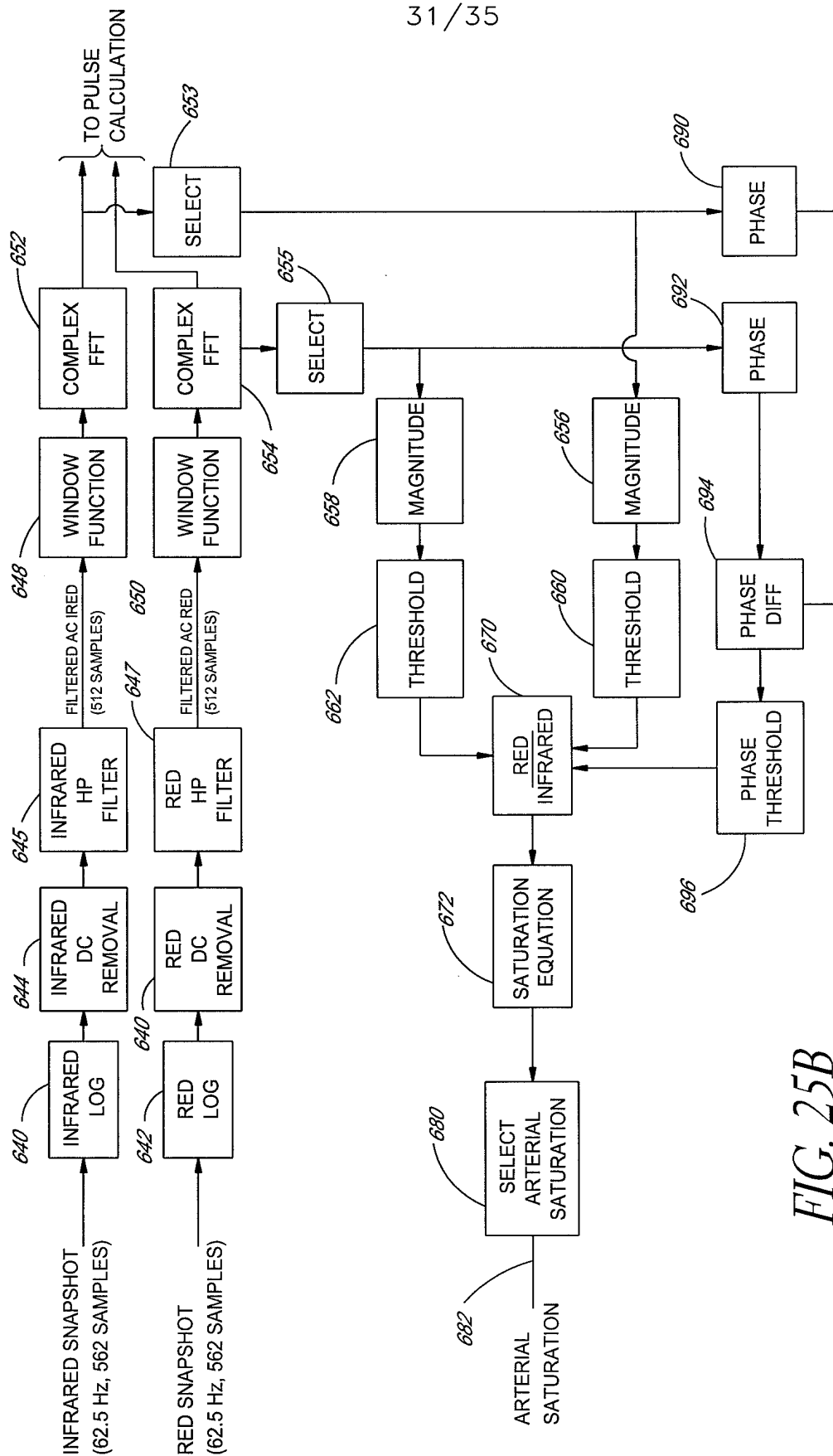


FIG. 25B

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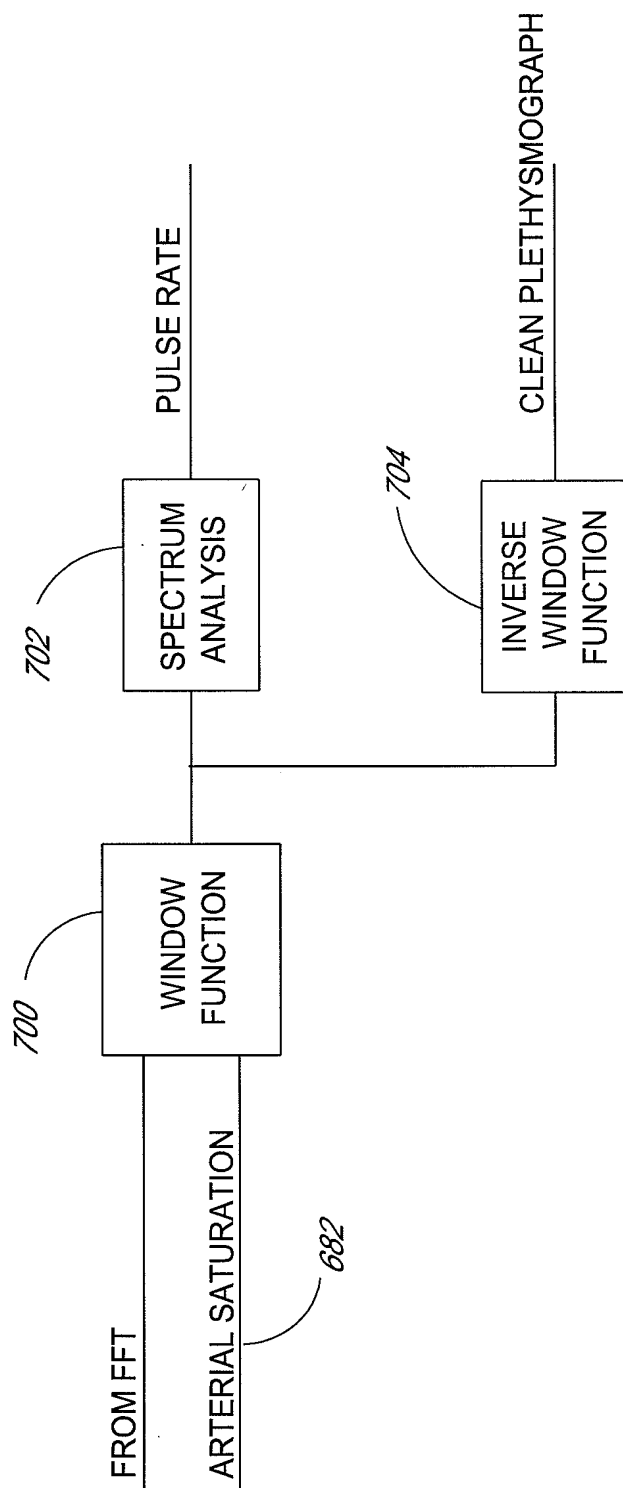


FIG. 25C

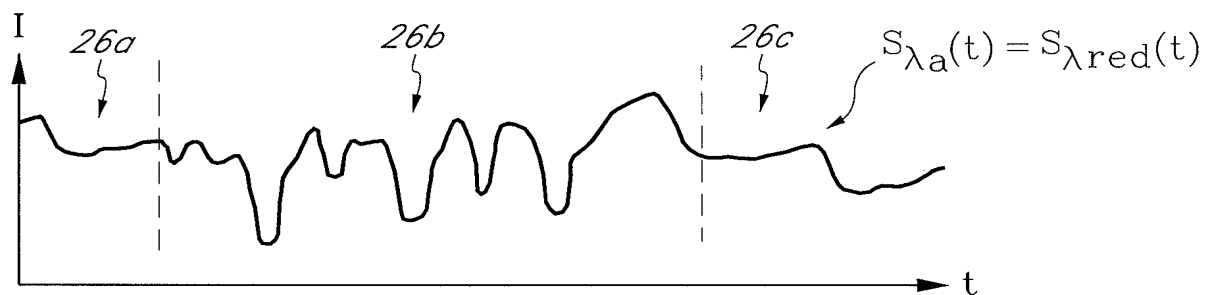


FIG. 26

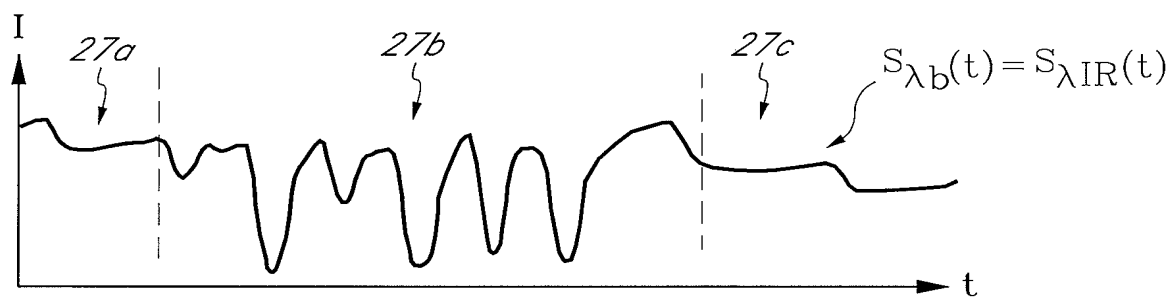


FIG. 27

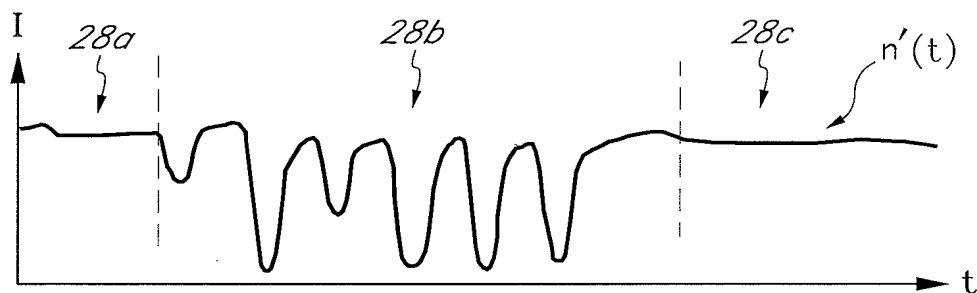


FIG. 28

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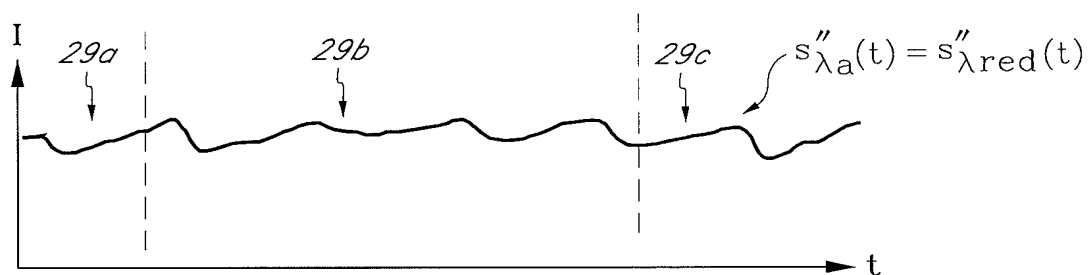


FIG. 29

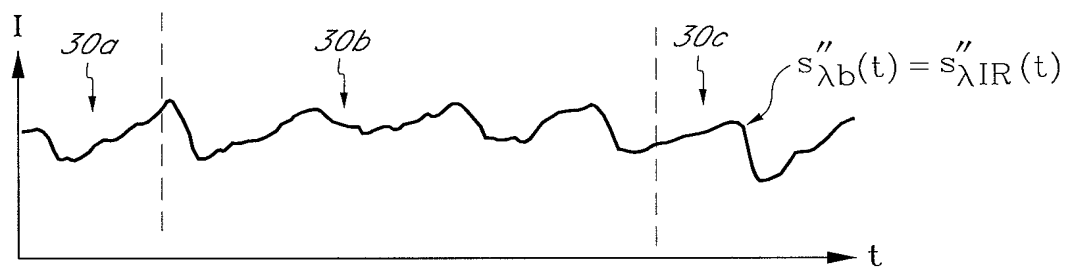


FIG. 30

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FIG. 31

